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From: Holleran, Anne
Sent: Tuesday, January 13, 2004 3:36 PM
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Subject: sequence search for 09/434/382

Please search the following sequences for 09/434,382 against the interference search databases only:

SEQ ID NO: 2(aa)

SEQ ID NO: 1(na)

SEQ ID NO: 3(na)

SEQ ID NO: 28(na), bases 1-500

SEQ ID NO: 28(na), bases 21800-22600

SEQ ID NO: 28(na), bases 26164-26664

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AU: 1642
Tel: 308-8892
RM: 8e03

mailbox: 8e12

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Searcher: Jan
Phone: 22504
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Clerical: 15
Online time: 420

TYPE OF SEARCH: ☒
NA Sequences: _____
AA Sequences: ☒
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: ☒
WWW/Internet: _____
Other (specify): _____

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OM nucleic - nucleic search, using sw model

Run on: January 13, 2004, 16:08:41 ; Search time 30.5125 Seconds
(without alignments)
7247.291 Million cell updates/sec

Title: US-09-434-382-28_COPY_26164_26664

Perfect score: 501
Sequence: 1 ggcattgagctgctgcagag.....ttcgcaagctctttgaca 501

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_NA:*

- 1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
- 2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
- 3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
- 4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
- 5: /cgn2_6/ptodata/2/ina/PCTUS.COMB.seq:*
- 6: /cgn2_6/ptodata/2/ina/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	501	100.0	26664	4	US-09-564-805-28
2	303	60.5	655	4	US-09-564-805-27
3	303	60.5	2958	4	US-09-564-805-3
4	296.6	59.2	2908	4	US-09-564-805-223
5	254.6	50.8	2892	4	US-09-564-805-225
6	33.2	6.6	6042	1	US-08-261-822A-1
7	33.2	6.6	6042	5	PCT-US95-07744A-1
8	33.2	6.6	6172	2	US-08-819-288-1
9	33.2	6.6	6172	4	US-09-400-348-1
10	31.2	6.2	2327	4	US-09-149-476-107
11	31.2	6.2	8916	4	US-09-579-181-11
12	31.2	6.2	9354	4	US-09-579-181-10
13	30.6	6.1	787	3	US-08-943-731-200
14	30.6	6.1	20084	3	US-08-943-731-5
15	30.6	6.1	38844	4	US-09-734-675-3
16	30.2	6.0	33312	4	US-08-311-731A-121
17	30.2	6.0	35828	4	US-09-449-218D-17
18	30.2	6.0	35828	4	US-09-668-528A-17
19	30.2	6.0	35828	4	US-09-668-037A-17
20	30	6.0	1834	1	US-08-592-126-90
21	30	6.0	1834	1	US-09-168-595-90
22	29.8	5.9	7218	1	US-08-232-463-14
23	29.6	5.9	630	3	US-08-180-371-17
24	29.6	5.9	1677	2	US-08-684-101-1
25	29.6	5.9	1677	3	US-09-203-814-1
26	29.4	5.9	306	4	US-09-313-294A-511
27	29.4	5.9	1342	3	US-08-961-083-181

28	29.4	5.9	1342	4	US-09-536-784-181	Sequence 181, App
29	29.4	5.9	1455	4	US-09-468-656A-7	Sequence 7, Appl
30	29.4	5.9	3048	1	US-08-188-228-47	Sequence 47, Appl
31	29.4	5.9	3048	1	US-08-332-643-41	Sequence 41, Appl
32	29.4	5.9	3048	1	US-08-332-638-47	Sequence 47, Appl
33	29.4	5.9	4453	2	US-08-841-530B-17	Sequence 17, Appl
34	29.4	5.9	6867	4	US-08-961-527-192	Sequence 192, App
35	29.2	5.8	2098	4	US-09-489-847-20	Sequence 20, Appl
36	29	5.8	506	1	US-08-469-802B-7	Sequence 7, Appl
37	29	5.8	506	2	US-08-267-803B-7	Sequence 7, Appl
38	29	5.8	49795	4	US-09-453-702B-60	Sequence 60, Appl
39	28.8	5.7	847	3	US-09-142-565-5	Sequence 5, Appl
40	28.8	5.7	1385	4	US-09-480-297A-7	Sequence 7, Appl
41	28.8	5.7	1754	4	US-09-747-259-7	Sequence 279, App
42	28.8	5.7	3073	4	US-09-620-312D-279	Sequence 8, Appl
43	28.8	5.7	3186	1	US-08-761-258-8	Sequence 8, Appl
44	28.8	5.7	3186	2	US-08-977-306-8	Sequence 2, Appl
45	28.8	5.7	5053	2	US-08-685-576-2	

ALIGNMENTS

RESULT 1
US-09-564-805-28
Sequence 28, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17c-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564, 805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (910)..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
NAME/KEY: misc feature
LOCATION: (13756)..(22917)
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
OTHER INFORMATION: 16583-18701; exon 16: 20349-20445; exon 17:
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: b at positions 826 and 23180 is G or C; y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is t or tcat; r at
OTHER INFORMATION: positions 22211 and 23879 is A or G.

US-09-564-805-28

Query Match 100.0%; Score 501; DB 4; Length 2664;

Best Local Similarity 100.0%; Pred. No. 8.7e-160; Mismatches 0; Indels 0; Gaps 0;

Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GGTATGAGCTGTGCGGAGGCTTGGGCTCCCATTAAGCACTAGTCTTAAGATGCTCTT 60
DB 26164 GGTATGAGCTGTGCGGAGGCTTGGGCTCCCATTAAGCACTAGTCTTAAGATGCTCTT 26223
QY 61 AGGACTGTGCTTGGCACAAGCCGCGGCGCAGAGAGGCTGCGCAACGGAAGACAGATGA 120
DB 26224 AGGACTGTGCTTGGCACAAGCCGCGGCGCAGAGAGGCTGCGCAACGGAAGACAGATGA 26283
QY 121 ACTAATTCATTTCAGAGCAAGTTTAAAGAGTCTGGAAACAGCGCGGACCTTTC 180
DB 26284 ACTAATTCATTTCAGAGCAAGTTTAAAGAGTCTGGAAACAGCGCGGACCTTTC 26343
QY 181 CTCTAATCCAGCAAAAGTATTCCTGCGACACGAGACAGAGATTAACAGATCACTG 240
DB 26344 CTCTAATCCAGCAAAAGTATTCCTGCGACACGAGACAGAGATTAACAGATCACTG 26403
QY 241 GGTCTAAGTGTCCGAGACTTAAACGAAATAGTATTTCACTGCAATAAAGATTGACTTG 300
DB 26404 GGTCTAAGTGTCCGAGACTTAAACGAAATAGTATTTCACTGCAATAAAGATTGACTTG 26463
QY 301 CAATTGTGAGTCTTTTGGTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 360
DB 26464 CAATTGTGAGTCTTTTGGTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 26523
QY 361 ACCTTGAGAGAGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 420
DB 26524 ACCTTGAGAGAGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 26583
QY 421 AAGAAAGTCAAGCTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 480
DB 26584 AAGAAAGTCAAGCTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 26643
QY 481 ATTCCGCAAGCTCTTTTGACA 501
DB 26644 ATTCCGCAAGCTCTTTTGACA 26664
```

RESULT 2

US-09-564-805-27

Sequence 27, Application US/09564805

Patent No. 6333403

GENERAL INFORMATION:

APPLICANT: Tavligian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/564, 805

CURRENT FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 27

LENGTH: 655

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE: misc_feature

NAME/KEY: (1)..(228)

LOCATION: exon 24

OTHER INFORMATION: polyA_signal

LOCATION: (636)..(641)

US-09-564-805-27

Query Match 60.5%; Score 303; DB 4; Length 655;

Best Local Similarity 100.0%; Pred. No. 3e-93; Mismatches 0; Indels 0; Gaps 0;

Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GGTATGAGCTGTGCGGAGGCTTGGGCTCCCATTAAGCACTAGTCTTAAGATGCTCTT 60
DB 353 GGTATGAGCTGTGCGGAGGCTTGGGCTCCCATTAAGCACTAGTCTTAAGATGCTCTT 412
QY 61 AGGACTGTGCTTGGCACAAGCCGCGGCGCAGAGAGGCTGCGCAACGGAAGACAGATGA 120
DB 413 AGGACTGTGCTTGGCACAAGCCGCGGCGCAGAGAGGCTGCGCAACGGAAGACAGATGA 472
QY 121 ACTAATTCATTTCAGAGCAAGTTTAAAGAGTCTTGGAAACAGACGCGGACCTTTC 180
DB 473 ACTAATTCATTTCAGAGCAAGTTTAAAGAGTCTTGGAAACAGACGCGGACCTTTC 532
QY 181 CTCTAATCCAGCAAAAGTATTCCTGCGACACGAGACAGAGATTAACAGATCACTG 240
DB 533 CTCTAATCCAGCAAAAGTATTCCTGCGACACGAGACAGAGATTAACAGATCACTG 592
QY 241 GGTCTAAGTGTCCGAGACTTAAACGAAATAGTATTTCACTGCAATAAAGATTGACTTG 300
DB 593 GGTCTAAGTGTCCGAGACTTAAACGAAATAGTATTTCACTGCAATAAAGATTGACTTG 652
QY 301 CAA 303
DB 653 CAA 655
```

RESULT 3

US-09-564-805-3

Sequence 3, Application US/09564805

Patent No. 6333403

GENERAL INFORMATION:

APPLICANT: Tavligian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/564, 805

CURRENT FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 3

LENGTH: 2958

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE: misc_feature

NAME/KEY: (51)..(2531)

LOCATION: (51)..(2531)

OTHER INFORMATION: coding sequence as in SEQ ID NO:1

US-09-564-805-3

Query Match 60.5%; Score 303; DB 4; Length 2958;

Best Local Similarity 100.0%; Pred. No. 7.2e-93; Mismatches 0; Indels 0; Gaps 0;

Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GGTATGAGCTGTGCGGAGGCTTGGGCTCCCATTAAGCACTAGTCTTAAGATGCTCTT 60
DB 2656 GGTATGAGCTGTGCGGAGGCTTGGGCTCCCATTAAGCACTAGTCTTAAGATGCTCTT 2715
QY 61 AGGACTGTGCTTGGCACAAGCCGCGGCGCAGAGAGGCTGCGCAACGGAAGACAGATGA 120
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Db 2716 AGGACTGGTCTGCGACAGCCGGCGCGCAGAGGCTGCCACACGGAACAGACATGA 2775
QY 121 ACTAATTCATTTTCAAGGACAGTTTAAAGAGCTTGGAAAAGACGCGGACCTTTC 180
Db 2776 ACTAATTCATTTTCAAGGACAGTTTAAAGAGCTTGGAAAAGACGCGGACCTTTC 2835
QY 181 CTCTAATCCAGCAAGATGATTCCTTGACACACAGAGACAGAGATCAAGATCACTG 240
Db 2836 CTCTAATCCAGCAAGATGATTCCTTGACACACAGAGACAGAGATCAAGATCACTG 2895
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCTGCAATTAAGATGATTG 300
Db 2896 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCTGCAATTAAGATGATTG 2955
QY 301 CAA 303
Db 2956 CAA 2958

RESULT 4

US-09-564-805-223
; Sequence 223, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 223
; LENGTH: 2908
; TYPE: DNA
; ORGANISM: Pan troglodytes
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-564-805-223

Query Match 59.2%; Score 296.6; DB 4; Length 2908;

Best Local Similarity 98.7%; Pred. No. 1.1e-90;
Matches 299; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGCAGGCTTGGGCTCCACATTAAGCACTAGTCTATAGATGCTCTT 60
Db 2606 GGTATGAGCTGTGCGCAGGCTTGGGCTCCACATTAAGCACTAGTCTATAGATGCTCTT 2665
QY 61 AGGACTGTGCTGCGACAGCGCGCGGCGAGAGGCTGCGACACGGAAGCAAGCATGA 120
Db 2666 AGGACTGTGCTGCGACAGCGCGCGGCGAGAGGCTGCGACACGGAAGCAAGCATGA 2725
QY 121 ACTAATTCATTTTCAAGGACAGTTTAAAGAGCTTGGAAAAGACGCGGACCTTTC 180
Db 2726 ACTAATTCATTTTCAAGGACAGTTTAAAGAGCTTGGAAAAGACGCGGACCTTTC 2785
QY 181 CTCTAATCCAGCAAGATGATTCCTTGACACACAGAGACAGAGATCAAGATCACTG 240
Db 2786 CTCTAATCCAGCAAGATGATTCCTTGACACACAGAGACAGAGATCAAGATCACTG 2845
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCTGCAATTAAGATGATTG 300
Db 2846 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCTGCAATTAAGATGATTG 2905

QY 301 CAA 303
Db 2906 CAA 2908

RESULT 5

US-09-564-805-225
; Sequence 225, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 225
; LENGTH: 2892
; TYPE: DNA
; ORGANISM: Gorilla gorilla
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-564-805-225

Query Match 50.8%; Score 254.6; DB 4; Length 2892;
Best Local Similarity 93.4%; Pred. No. 2.2e-76;
Matches 283; Conservative 0; Mismatches 4; Indels 16; Gaps 1;

QY 1 GGTATGAGCTGTGCGCAGGCTTGGGCTCCACATTAAGCACTAGTCTATAGATGCTCTT 60
Db 2606 GGTATGAGCTGTGCGCAGGCTTGGGCTCCACATTAAGCACTAGTCTATAGATGCTCTT 2655
QY 61 AGGACTGTGCTGCGACAGCGCGCGGCGAGAGGCTGCGACACGGAAGCAAGCATGA 120
Db 2656 -----GGTCTGCGACAGCGCGCGGCGAGAGGCTGCGACACGGAAGCAAGCATGA 2709
QY 121 ACTAATTCATTTTCAAGGACAGTTTAAAGAGCTTGGAAAAGACGCGGACCTTTC 180
Db 2710 ACTAATTCATTTTCAAGGACAGTTTAAAGAGCTTGGAAAAGACGCGGACCTTTC 2769
QY 181 CTCTAATCCAGCAAGATGATTCCTTGACACACAGAGACAGAGATCAAGATCACTG 240
Db 2770 CTCTAATCCAGCAAGATGATTCCTTGACACACAGAGACAGAGATCAAGATCACTG 2829
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCTGCAATTAAGATGATTG 300
Db 2830 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCTGCAATTAAGATGATTG 2889
QY 301 CAA 303
Db 2890 CAA 2892

RESULT 6

US-08-261-822A-1
; Sequence 1, Application US/08261822A
; Patent No. 5650553
; GENERAL INFORMATION:
; APPLICANT: Becker, Joseph R. et al.
; TITLE OF INVENTION: Plant Genes For Sensitivity to Ethylene
; NUMBER OF SEQUENCES: 82

RESPONSE ADDRESS:
ADDRESS: Woodcock, Washburn, Kurtz, Mackiewicz & No. 56505318
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/261,822A
FILING DATE: 17-JUN-1994
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Beardell, Lori Y.
REGISTRATION NUMBER: 34,293
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6042 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-261-822A-1

Query Match 6.6%; Score 33.2; DB 1; Length 6042;
Best Local Similarity 51.3%; Pred. No. 0.97; 73; Indels 0; Gaps 0;
Matches 77; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

200 TTCCCTGCACACGACAGCAAGATCAAGATCAAGTCTAAGTCTCGAGACT 259
618 TTCCCTGAAGATCTGAATCGGATCAATCGGATCTTTCCTTTTGGT 677
260 TAACGAAATAGTATTTCAGCTGCAATTAAGATTGCAATTGAGTTCTTTTGC 319
678 CAGCGTTAGATTCTTTTGAAGTTAGTTGAATTTGATTTTGTAGCTTATC 737
320 TTCCCTGCTGCTGCTGCTAGAGGAGGCTC 349
738 TTCTTTTGTGCTGCTTCACTAAGATC 767

RESULT 7
PCT-US95-07744A-1
Sequence 1, Application PC/TUS9507744A
GENERAL INFORMATION:
APPLICANT: Trustees of The University of Pennsylvania
TITLE OF INVENTION: Plant Genes for Sensitivity to Ethylene
TITLE OF INVENTION: and Pathogens
NUMBER OF SEQUENCES: 82
CORRESPONDENCE ADDRESS:
ADDRESS: Woodcock, Washburn, Kurtz, Mackiewicz & Norris
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/07744A
FILING DATE: 15-JUNE-1995

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/261,822
FILING DATE: June 17, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Beardell, Lori Y.
REGISTRATION NUMBER: 34,293
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6042 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
PCT-US95-07744A-1

Query Match 6.6%; Score 33.2; DB 5; Length 6042;
Best Local Similarity 51.3%; Pred. No. 0.97; 73; Indels 0; Gaps 0;
Matches 77; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

200 TTCCCTGCACACGACAGCAAGATCAAGATCAAGTCTAAGTCTCGAGACT 259
618 TTCCCTGAAGATCTGAATCGGATCAATCGGATCTTTCCTTTTGGT 677
260 TAACGAAATAGTATTTCAGCTGCAATTAAGATTGCAATTGAGTTCTTTTGC 319
678 CAGCGTTAGATTCTTTTGAAGTTAGTTGAATTTGATTTTGTAGCTTATC 737
320 TTCCCTGCTGCTGCTGCTAGAGGAGGCTC 349
738 TTCTTTTGTGCTGCTTCACTAAGATC 767

RESULT 8
US-08-819-288-1
Sequence 1, Application US/08819288
GENERAL INFORMATION:
APPLICANT: Ecker, Joseph
TITLE OF INVENTION: PLANT GENES FOR SENSITIVITY TO ETHYLENE
TITLE OF INVENTION: AND PATHOGENS
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESS: Woodcock Washburn Kurtz Mackiewicz & No. 59565218
STREET: One Liberty Place - 46th floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/819,288
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Beardell, Lori Y.
REGISTRATION NUMBER: 34,293
REFERENCE/DOCKET NUMBER: UPN-2949
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:

LENGTH: 6172 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-819-288-1

Query Match 6.6%; Score 33.2; DB 2; Length 6172;
Best Local Similarity 51.3%; Pred. No. 0.98;
Matches 77; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 200 TTCCCTGCACACGAGACAGAGATTAAGATTTGCAATTTGAGTTCTTTTC 319
DB 750 TTCCCTGGAAGATCTGAATGCGTAGATCATACGGGATCTTTGATTTTGGCTTTTGC 809
QY 260 TAACGAATAATGATTTTTCAGCTGCATTAAGATTTGCAATTTGAGTTCTTTTC 319
DB 810 CAGCGTTACGATTTCTTTTACCTTCAGTTTAAATTTGATTTTTCAGCTTATC 869
QY 320 TTCCCTGCTGCTGCTACAGAGCGGTC 349
DB 870 TTCTTTTGTGCTGCTTCACTAAGATC 899

RESULT 9

US-09-400-348-1
Sequence 1, Application US/09400348
Patent No. 6355778
GENERAL INFORMATION:
APPLICANT: Ecker, Joseph
APPLICANT: Alonso, Jose
TITLE OF INVENTION: PLANT GENES FOR SENSITIVITY TO ETHYLENE
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6355778ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/400,348
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/819,288
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Beardsell, Lori Y.
REGISTRATION NUMBER: 34,293
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6172 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-09-400-348-1

Query Match 6.6%; Score 33.2; DB 4; Length 6172;
Best Local Similarity 51.3%; Pred. No. 0.98;
Matches 77; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 200 TTCCCTGCACACGAGACAGAGATTAAGATTTGCAATTTGAGTTCTTTTC 319
DB 750 TTCCCTGGAAGATCTGAATGCGTAGATCATACGGGATCTTTGATTTTGGCTTTTGC 809
QY 260 TAACGAATAATGATTTTTCAGCTGCATTAAGATTTGCAATTTGAGTTCTTTTC 319
DB 810 CAGCGTTACGATTTCTTTTACCTTCAGTTTAAATTTGATTTTTCAGCTTATC 869
QY 320 TTCCCTGCTGCTGCTACAGAGCGGTC 349
DB 870 TTCTTTTGTGCTGCTTCACTAAGATC 899

RESULT 10

US-09-149-476-107
Sequence 107, Application US/09149476
Patent No. 6420526
GENERAL INFORMATION:
APPLICANT: Rosen et al.
FILE REFERENCE: P2002P1
TITLE OF INVENTION: 186 Human Secreted proteins
CURRENT APPLICATION NUMBER: US/09/149,476
CURRENT FILING DATE: 1998-09-08
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,336
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,615
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,597
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,502
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,633
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,583
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,617
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,618
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,592
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,581
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,584
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,500
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,587
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,492
EARLIER FILING DATE: 1997-05-23

Query Match	6.2%	Score 31.2;	DB 4;	Length 2327;
Best Local Similarity	35.9%;	Pred. No. 2.7;		
Matches 33;	Conservative 28;	Mismatches 31;	Indels 0;	Gaps 0

OY	327	TGCTGGTCTCAAGACGAGGTCTTCCTGTGCACCACCTTGAGGAAGGTCTCTGTGGCTGT	386
		::::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: :::	
Dd	1576	MSCRSMGCTCYWCKSKSRSTBRMGMNRCTAGAATRYGRGAKCMYYISGCGTKMMGG	1633
OY	387	AGTGTGACACTGCTGTGTAACCGAGTGGCTTT	418
		::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: :::	
Dd	1636	AARKSGCAGAGCCAGAGACTGCAATTGCTTT	1667

RESULT 11
US-09-579-181-11/c
Sequence 11, Application US/09579181

Query Match	6.2%	Score	31.2	DB	4	Length	8916
Best Local Similarity	50.7%	Pred.	No. 5.8				
Matches	75	Conservative	0	Mismatches	73	Indels	0
						Gaps	0

QY	13	TGCGGAGGCTTGGGGTCCACATAAGCACTAGTCTATAGATGCTCTTAGAGACTGGTGC	72
Db	6900	TGCCAATGTCCCTGGGCGACACAGCTCTGCTCTCAGGCTCTCAAGCCCAAGGGGAGTATGTAAC	6841
QY	73	TGGCACAAGCCGCGGGCCAGGAGGCTGCCACA CGGAAGCAGACAGATGAACCTAATTTCA	132
Db	6840	TGAGGCGAGATGGGCGACAGAAAGGTGAC CCAAGCAAGAGAGAGGAGGAAAGTTACAA	6781
QY	133	TCAAGGACGATTTTAAAGAGCTTTGA	160
Db	6780	ACAGGTTTGGGCTGGAGCGGCTGTAATGA	6753

```

RESULT 12
US-09-579-181-10/c
Sequence 10. Application US/09579181
Patent No 6365172
GENERAL INFORMATION:
APPLICANT: Chitaya, John
APPLICANT: Yachuk, Peter
TITLE OF INVENTION: Sfr2 Related CBP Activator Protein (SRCAP)
FILE REFERENCE: 16153-4247
CURRENT APPLICATION NUMBER: US/09/579,181
CURRENT FILING DATE: 2000-05-25
PRIOR APPLICATION NUMBER: 60/136,620
PRIOR FILING DATE: 1999-05-27
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 9354
TYPE: DNA
ORGANISM: Human
US-09-579-181-10

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Query Match	6.2%	Score 31.2;	DB 4;	Length 9354;
Best Local Similarity	50.7%;	Pred. No. 6;		
Matches 75;	Conservative 0;	Mismatches 73;	Indels 0;	Gaps 0;

QY	13	TGCCGAGGCTTGGGGCTCCCAATAGGACACTGATATAGATGCTCTTAGGACTGGGCGC	72
Db	7338	TGCCCATGCTTGGGCAACAGCTTGTGCTCTAGGCTCTAAGCCCAAGGGAGATTATGTCAC	7279
QY	73	TGGCACACGCCCGGGCCAGAGGCTGCACACCGAMCAAGCAGATGAATCAATTTTCATT	132
Db	7278	TGAGGCAGAGATGGGGCACAGAAGTGGACCAAGCAGAGAGAGAGAGAGAGATTACAG	7219
QY	133	TCAAGGCAGTTTTTAAAGAGCTTTGA	160
Db	7218	ACAGGTTTGGGCTGGAGCGGTGATATA	7191

RESULT 13
 : Sequence 200, Application US/08943731
 Patent No. 6265157
 GENERAL INFORMATION:
 APPLICANT: PROCKOP, DARWIN J.
 APPLICANT: SPOTILA, LORETTA D.
 APPLICANT: DELTAS, CONSTANTINOS D.
 APPLICANT: SEREDA, LARISA
 APPLICANT: LARSON, ANDREA W.
 APPLICANT: PACK, MICHAEL
 APPLICANT: COLIGE, ALAIN
 APPLICANT: EARLY, JAMES
 APPLICANT: KORRKO, JARMO
 APPLICANT: ALA-KORRKO, LEENA, et al.
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING
 TITLE OF INVENTION: ALTERED TYPE I OR TYPE IX COLLAGEN GENE SEQUENCES
 NUMBER OF SEQUENCES: 666
 CORRESPONDENCE ADDRESS:
 ADDRESSER: PANITCH SCHWARZE JACOBS & NADEL, P.C.
 STREET: ONE COMMERCE SQUARE, 2005 MARKET STREET, 22ND
 STREET: FLR.
 CITY: PHILADELPHIA
 STATE: PA
 COUNTRY: USA
 ZIP: 19103-7086
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/943,731
 FILING DATE: 03-OCT-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/212,322
 FILING DATE: 14-MAR-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/803,628
 FILING DATE: 03-DEC-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: DOYLE LEARY Ph. D., KATHRYN
 REGISTRATION NUMBER: 36,317
 REFERENCE/DOCKET NUMBER: 9598-27
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 215-965-1284
 TELEFAX: 215-567-2991
 TELEEX: 831-494
 INFORMATION FOR SEQ ID NO: 200:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 787 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)

US-08-943-731-200

Query Match 6.1%; Score 30.6; DB 3; Length 787;
Best Local Similarity 52.8%; Pred. No. 2.3;
Matches 66; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 377 TCTGTGCTGTAGTGTGAGCAGCTGCTGTACCCGGGTGCTTGGAGAAGTCACTCCG 436
DB 340 TCTGGGCTGAGGGTGGGCGACCCAGAGAGAGAGGTGCCGACGGGTGCCGGGAGCC 281
QY 437 TCGTAGTGAGCACTCTGGAACCTGTCTCAGAGAGCCACTTATCCCAAGCTTTT 496
DB 280 TGGAGTGCCCACTCTGCGCAGTGCTACCCACCACTTACTTCCGTCCTCT 221
QY 497 TGACA 501
DB 220 GTGCA 216

RESULT 14

US-08-943-731-5/C

Sequence 5, Application US/08943731

Patent No. 6265157

GENERAL INFORMATION:

APPLICANT: PROCKOP, DARWIN J.

APPLICANT: SPOTILA, LORETTA D.

APPLICANT: DELTAS, CONSTANTINOS D.

APPLICANT: SEREDA, IARISA W.

APPLICANT: LARSON, ANDREA W.

APPLICANT: COLIGE, ALAIN

APPLICANT: EARLY, JAMES

APPLICANT: KORKKO, JARMO

APPLICANT: ALA-KOKKO, LEENA, et al.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING

NUMBER OF SEQUENCES: 666

CORRESPONDENCE ADDRESS:

ADDRESS: PANITCH SCHWARZE JACOBS & NADEL, P.C.

STREET: ONE COMMERCE SQUARE, 2005 MARKET STREET, 22ND

CITY: PHILADELPHIA

STATE: PA

COUNTRY: USA

ZIP: 19103-7086

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA: Patentin Release #1.0, Version #1.30

APPLICATION NUMBER: US/08/943,731

FILING DATE: 03-OCT-1997

CLASSIFICATION: 435

APPLICATION DATA:

APPLICATION NUMBER: US 08/212,322

FILING DATE: 14-MAR-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/803,628

FILING DATE: 03-DEC-1991

ATTORNEY/AGENT INFORMATION:

NAME: DOYLE LEARY Ph. D., KATHRYN

REGISTRATION NUMBER: 36,317

REFERENCE/DOCKET NUMBER: 9598-27

TELECOMMUNICATION INFORMATION:

TELEPHONE: 215-567-1284

TELEFAX: 215-567-2991

TELEX: 831-494

INFORMATION FOR SEQ. ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 20084 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

US-08-943-731-5

Query Match 6.1%; Score 30.6; DB 3; Length 20084;
Best Local Similarity 52.8%; Pred. No. 15;
Matches 66; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 377 TCTGTGCTGTAGTGTGAGCAGCTGCTGTACCCGGGTGCTTGGAGAAGTCACTCCG 436
DB 14308 TCTGGGCTGAGGGTGGGCGACCCAGAGAGAGAGGTGCCGACGGGTGCCGGGAGCC 14249
QY 437 TCGTAGTGAGCACTCTGGAACCTGTCTCAGAGAGCCACTTATTCGCCAAGCTTTT 496
DB 14248 TGGAGTGCCCACTCTGCGCAGTGCTACCCACCACTTACTTCCGTCCTCT 14189
QY 497 TGACA 501
DB 14188 GTGCA 14184

RESULT 15

US-09-734-675-3/C

Sequence 3, Application US/09734675

Patent No. 6365391

GENERAL INFORMATION:

APPLICANT: WEBSTER, Marion et al

TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,

TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND

FILE REFERENCE: CLO00862

CURRENT APPLICATION NUMBER: US/09/734,675

CURRENT FILING DATE: 2000-12-13

NUMBER OF SEQ ID NOS: 4

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 3

LENGTH: 38844

TYPE: DNA

ORGANISM: Human

US-09-734-675-3

Query Match 6.1%; Score 30.6; DB 4; Length 38844;
Best Local Similarity 46.5%; Pred. No. 22;
Matches 99; Conservative 0; Mismatches 114; Indels 0; Gaps 0;

QY 113 GCAGATGAACCTAATTTCATTTCAGAGAGTTTAAAGAGTCTGGAAGAGAGAGCGCG 172
DB 31579 GTATAGATTAACCAACCAACACATGGACATCTGAAAAAATCTAGAGACCTTAACCG 31520
QY 173 CACCTTCTCTAATTCAGCAAGATGATTCCTGACACACAGAGCAAGAGATTAACG 232
DB 31519 ATCTGCTGCTAATGAGGAAAGTATTCAGTTCCTTAATGTAAGTGAATCA 31460
QY 233 GATCAGTGGGTCTAAGTTCGAGACTTAACGAATAATGATTTAGCTGCAATTAAGT 292
DB 31459 AAGCTTAATCTTAATAATTTCTGTATGTAAATAATGTAAGATCTGCAATTAAGT 31400
QY 293 TGAGTTGCAATGTGAGTCTTTGCTTCC 325
DB 31399 TTAGTCATTCAGAAAGCCCTTTGCAATTTTC 31367

Search completed: January 13, 2004, 23:23:58
Job time : 34.5125 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 13, 2004, 22:49:52 ; Search time 182.383 Seconds
(without alignments)
9682.402 Million cell updates/sec

Title: US-09-434-382-28_COPY_26164_26664

Perfect score: 501
Sequence: 1 ggtatgagctgtgcgag.....ctcgcaactctttgaca 501

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 2324096 seqs, 1762381658 residues

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Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq: *
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq: *
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5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	501	100.0	26664	11 US-09-988-626-28	Sequence 28, Appl
4	303	60.5	655	11 US-09-988-626-27	Sequence 27, Appl
5	303	60.5	655	11 US-09-988-626-27	Sequence 27, Appl
6	303	60.5	655	11 US-09-988-626-27	Sequence 27, Appl
7	303	60.5	2958	11 US-09-988-626-3	Sequence 3, Appl
8	303	60.5	2958	11 US-09-988-626-3	Sequence 3, Appl
9	303	60.5	2958	11 US-09-988-626-3	Sequence 3, Appl
10	299.4	59.8	2907	12 US-10-108-260A-282	Sequence 282, App
11	296.6	59.2	2908	11 US-09-988-626-223	Sequence 223, App
12	296.6	59.2	2908	11 US-09-988-626-223	Sequence 223, App
13	296.6	59.2	2908	11 US-09-988-626-223	Sequence 223, App
14	254.6	50.8	2892	11 US-09-988-626-225	Sequence 225, App
15	254.6	50.8	2892	11 US-09-988-626-225	Sequence 225, App

16	254.6	50.8	2892	11 US-09-988-626-225	Sequence 225, App
17	95.4	19.0	97	13 US-10-308-891-60	Sequence 60, Appl
18	95.4	19.0	97	13 US-10-308-891-60	Sequence 99, Appl
19	93.8	18.7	97	13 US-10-308-891-59	Sequence 59, Appl
20	93.8	18.7	97	13 US-10-308-891-80	Sequence 80, Appl
21	60	12.0	60	13 US-09-908-975-5139	Sequence 5139, Ap
22	37	7.4	734	13 US-10-027-632-11995	Sequence 11995, A
23	37	7.4	734	13 US-10-027-632-11995	Sequence 11995, A
24	37	7.4	734	14 US-10-027-632-11995	Sequence 11995, A
25	37	7.4	734	14 US-10-027-632-11995	Sequence 225490, A
26	34.6	6.9	652	13 US-10-027-632-225490	Sequence 225490, A
27	34.6	6.9	652	14 US-10-027-632-225490	Sequence 225490, A
28	34.2	6.8	677	13 US-10-027-632-43101	Sequence 43101, A
29	34.2	6.8	677	13 US-10-027-632-43101	Sequence 43101, A
30	34.2	6.8	677	14 US-10-027-632-43101	Sequence 43101, A
31	34.2	6.8	677	14 US-10-027-632-43101	Sequence 43102, A
32	33.6	6.7	480	9 US-09-864-15427	Sequence 15427, A
33	33.4	6.7	2260	13 US-10-027-632-101506	Sequence 101506, A
34	33.4	6.7	2260	14 US-10-027-632-101506	Sequence 101506, A
35	33.4	6.7	5959	13 US-10-311-455-1254	Sequence 1254, Ap
36	33.2	6.6	6022	13 US-10-385-521-11	Sequence 11, Appl
37	32.2	6.4	513509	11 US-09-754-853A-4	Sequence 4, Appl
38	32	6.4	536	13 US-10-029-386-9263	Sequence 9263, Ap
39	32	6.4	1089	10 US-09-974-300-4320	Sequence 2320, Ap
40	32	6.4	1129	13 US-10-027-632-200972	Sequence 200972, A
41	32	6.4	1129	13 US-10-027-632-200972	Sequence 200972, A
42	32	6.4	1251	13 US-10-029-386-22964	Sequence 22964, A
43	32	6.4	3779	10 US-09-880-107-2145	Sequence 2145, Ap
44	31.8	6.3	1242	13 US-10-032-585-6066	Sequence 6066, Ap
45	31.6	6.3	461	15 US-10-225-567A-478	Sequence 478, App

ALIGNMENTS

RESULT 1
US-09-988-626-28
; Sequence 28, Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavetligian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT FILING DATE: 2001-11-20
; PRIOR FILING DATE: 2000-05-05
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 26664
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (910)..(13104)
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7154; exon 8:
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
; NAME/KEY: misc_feature
; LOCATION: (13756)..(22917)
; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon

OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at
OTHER INFORMATION: positions 22211 and 23879 is A or G.
US-09-988-626-28
Query Match 100.0%; Score 501; DB 11; Length 26664;
Best Local Similarity 100.0%; Pred. No. 1.2e-159;
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGTATGAGCTGTGCGGAGCTTGGGCTCCCATATAGACTAGTCTATAGTGCCTTT 60
DB 26164 GGTATGAGCTGTGCGGAGCTTGGGCTCCCATATAGACTAGTCTATAGTGCCTTT 26223
QY 61 AGGACTGCTGCTGCGACAGCGCGGCGCAGAGGCTGCCACACGGAAGCAGAGATGA 120
DB 26224 AGGACTGCTGCTGCGACAGCGCGGCGCAGAGGCTGCCACACGGAAGCAGAGATGA 26283
QY 121 ACTAATTCATTTCAGAGGAGTTTAAAGAAAGTCTTGGAAAACAGCGGCGACCTTTC 180
DB 26284 ACTAATTCATTTCAGAGGAGTTTAAAGAAAGTCTTGGAAAACAGCGGCGACCTTTC 26343
QY 181 CTCTATCCAGAAAGTATTCCTCCGACACACAGAGAAAGAGTACAGAGTACAGT 240
DB 26344 CTCTATCCAGAAAGTATTCCTCCGACACACAGAGAAAGAGTACAGAGTACAGT 26403
QY 241 GGTCTAAGTGTCCGAGACTTAAGAAATAGTATTCAGCTGCATTAAGATTGAGTTT 300
DB 26404 GGTCTAAGTGTCCGAGACTTAAGAAATAGTATTCAGCTGCATTAAGATTGAGTTT 26463
QY 301 CAATTGTGAGTTCTTTTGTCTCTCTGCTGTCTACAGAGAGGCTGTCTGTGACCC 360
DB 26464 CAATTGTGAGTTCTTTTGTCTCTCTGCTGTCTACAGAGAGGCTGTCTGTGACCC 26523
QY 361 ACCTTGGAAGAAGGCTCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 420
DB 26524 ACCTTGGAAGAAGGCTCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 26583
QY 421 AAGAAGTCAGCTCCGCTGTAGTGAAGACCTCTGAAACCTGTCTCAGAGACCACTTT 480
DB 26584 AAGAAGTCAGCTCCGCTGTAGTGAAGACCTCTGAAACCTGTCTCAGAGACCACTTT 26643
QY 481 ATTCCGCAAGTCTTTTGGACA 501
DB 26644 ATTCCGCAAGTCTTTTGGACA 26664
RESULT 2
US-09-988-687-28
Sequence 28, Application US/09988687
Publication No. US20030045704A1
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H. F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
FILE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988, 687
CURRENT FILING DATE: 2001-11-20

PRIOR APPLICATION NUMBER: 09/564, 805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (910)..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
OTHER INFORMATION: 13032-13104;
NAME/KEY: misc feature
LOCATION: (13756)..(22917)
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
OTHER INFORMATION: 15: 16278-16416; exon 14: 16498-16583; exon 15:
OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at
OTHER INFORMATION: positions 22211 and 23879 is A or G.
US-09-988-687-28
Query Match 100.0%; Score 501; DB 11; Length 26664;
Best Local Similarity 100.0%; Pred. No. 1.2e-159;
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGTATGAGCTGTGCGGAGCTTGGGCTCCCATATAGACTAGTCTATAGTGCCTTT 60
DB 26164 GGTATGAGCTGTGCGGAGCTTGGGCTCCCATATAGACTAGTCTATAGTGCCTTT 26223
QY 61 AGGACTGCTGCTGCGACAGCGCGGCGCAGAGGCTGCCACACGGAAGCAGAGATGA 120
DB 26224 AGGACTGCTGCTGCGACAGCGCGGCGCAGAGGCTGCCACACGGAAGCAGAGATGA 26283
QY 121 ACTAATTCATTTCAGAGGAGTTTAAAGAAAGTCTTGGAAAACAGCGGCGACCTTTC 180
DB 26284 ACTAATTCATTTCAGAGGAGTTTAAAGAAAGTCTTGGAAAACAGCGGCGACCTTTC 26343
QY 181 CTCTATCCAGAAAGTATTCCTCCGACACACAGAGAAAGAGTACAGAGTACAGT 240
DB 26344 CTCTATCCAGAAAGTATTCCTCCGACACACAGAGAAAGAGTACAGAGTACAGT 26403
QY 241 GGTCTAAGTGTCCGAGACTTAAGAAATAGTATTCAGCTGCATTAAGATTGAGTTT 300
DB 26404 GGTCTAAGTGTCCGAGACTTAAGAAATAGTATTCAGCTGCATTAAGATTGAGTTT 26463
QY 301 CAATTGTGAGTTCTTTTGTCTCTCTGCTGTCTACAGAGAGGCTGTCTGTGACCC 360
DB 26464 CAATTGTGAGTTCTTTTGTCTCTCTGCTGTCTACAGAGAGGCTGTCTGTGACCC 26523
QY 361 ACCTTGGAAGAAGGCTCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 420
DB 26524 ACCTTGGAAGAAGGCTCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 26583
QY 421 AAGAAGTCAGCTCCGCTGTAGTGAAGACCTCTGAAACCTGTCTCAGAGACCACTTT 480

QY 61 AGGACTGGTGGCTGGGACAGCCGCGGCGGAGGCTGCCACACGGAAGCAGATGA 120
DB 413 AGGACTGGTGGCTGGGACAGCCGCGGCGGAGGCTGCCACACGGAAGCAGATGA 472
QY 121 ACTAATTTTCATTTCAGAGGAGTTTAAAGAGCTTTGGAAAAGAGCGGCGGACCTTTG 180
DB 473 ACTAATTTTCATTTCAGAGGAGTTTAAAGAGCTTTGGAAAAGAGCGGCGGACCTTTG 532
QY 181 CTCTAATCCAGCAAGAGTATTTCCCTGCGACACGAGACAGAGAGTAAACAGATCAGTG 240
DB 533 CTCTAATCCAGCAAGAGTATTTCCCTGCGACACGAGACAGAGAGTAAACAGATCAGTG 592
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAAATAGTATTTACGCTGCAATTAAGATTGAGTTG 300
DB 593 GGTCTAAGTGTCCGAGACTTAACGAAAATAGTATTTACGCTGCAATTAAGATTGAGTTG 652
QY 301 CAA 303
DB 653 CAA 655

RESULT 5

US-09-988-687-27
; Sequence 27, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
; LENGTH: 655
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(228)
; OTHER INFORMATION: exon 24
; NAME/KEY: polyA_signal
; LOCATION: (636)..(641)
US-09-988-687-27

Query Match 60.5%; Score 303; DB 11; Length 655;
Best Local Similarity 100.0%; Pred. No. 8.7e-93;
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 60
DB 353 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 412
QY 61 AGGACTGGTGGCTGGGACAGCCGCGGCGGAGGCTGCCACACGGAAGCAGATGA 120
DB 413 AGGACTGGTGGCTGGGACAGCCGCGGCGGAGGCTGCCACACGGAAGCAGATGA 472
QY 121 ACTAATTTTCATTTCAGAGGAGTTTAAAGAGCTTTGGAAAAGAGCGGCGGACCTTTG 180
DB 473 ACTAATTTTCATTTCAGAGGAGTTTAAAGAGCTTTGGAAAAGAGCGGCGGACCTTTG 532

QY 181 CTCTAATCCAGCAAGAGTATTTCCCTGCGACACGAGACAGAGAGTAAACAGATCAGTG 240
DB 533 CTCTAATCCAGCAAGAGTATTTCCCTGCGACACGAGACAGAGAGTAAACAGATCAGTG 592
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAAATAGTATTTACGCTGCAATTAAGATTGAGTTG 300
DB 593 GGTCTAAGTGTCCGAGACTTAACGAAAATAGTATTTACGCTGCAATTAAGATTGAGTTG 652
QY 301 CAA 303
DB 653 CAA 655

RESULT 6

US-09-988-686-27
; Sequence 27, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,686
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
; LENGTH: 655
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(228)
; OTHER INFORMATION: exon 24
; NAME/KEY: polyA_signal
; LOCATION: (636)..(641)
US-09-988-686-27

Query Match 60.5%; Score 303; DB 11; Length 655;
Best Local Similarity 100.0%; Pred. No. 8.7e-93;
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 60
DB 353 GGTATGAGCTGTGCGAGGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 412
QY 61 AGGACTGGTGGCTGGGACAGCCGCGGCGGAGGCTGCCACGGAAGCAGATGA 120
DB 413 AGGACTGGTGGCTGGGACAGCCGCGGCGGAGGCTGCCACGGAAGCAGATGA 472
QY 121 ACTAATTTTCATTTCAGAGGAGTTTAAAGAGCTTTGGAAAAGAGCGGCGGACCTTTG 180
DB 473 ACTAATTTTCATTTCAGAGGAGTTTAAAGAGCTTTGGAAAAGAGCGGCGGACCTTTG 532
QY 181 CTCTAATCCAGCAAGAGTATTTCCCTGCGACACGAGACAGAGAGTAAACAGATCAGTG 240
DB 533 CTCTAATCCAGCAAGAGTATTTCCCTGCGACACGAGACAGAGAGTAAACAGATCAGTG 592
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAAATAGTATTTACGCTGCAATTAAGATTGAGTTG 300
DB 593 GGTCTAAGTGTCCGAGACTTAACGAAAATAGTATTTACGCTGCAATTAAGATTGAGTTG 652
QY 301 CAA 303

Db 653 CAA 655

RESULT 7

US-09-988-626-3
Sequence 3, Application US/09988626
Publication No. US20030044959A1
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,626
PRIOR FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 2958
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (51)-(2531)
OTHER INFORMATION: coding sequence as in SEQ ID NO:1
US-09-988-626-3

Query Match 60.5%; Score 303; DB 11; Length 2958;

Best Local Similarity 100.0%; Pred. No. 2,1e-92;
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGGAGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 60
DB 2656 GGTATGAGCTGTGCGGAGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 2715
QY 61 AGAGCTGTGCTGTGCGGAGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 120
DB 2716 AGAGCTGTGCTGTGCGGAGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 2775
QY 121 ACTAATTCATTTCAAGGCAAGTTTAAAGAAAGCTTTGGAACAGACGGCGGACCTTTC 180
DB 2776 ACTAATTCATTTCAAGGCAAGTTTAAAGAAAGCTTTGGAACAGACGGCGGACCTTTC 2835
QY 181 CTCTAATCCAGCAAGTATTCCTGCAACACGAGAGAGAGAGTAAAGATCAAGT 240
DB 2836 CTCTAATCCAGCAAGTATTCCTGCAACACGAGAGAGAGTAAAGATCAAGT 2895
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTCAGCTGCAATTAAGATGATTG 300
DB 2896 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTCAGCTGCAATTAAGATGATTG 2955
QY 301 CAA 303
DB 2956 CAA 2958

RESULT 8

US-09-988-687-3
Sequence 3, Application US/09988687
Publication No. US20030045704A1
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,687
PRIOR FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 2958
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (51)-(2531)
OTHER INFORMATION: coding sequence as in SEQ ID NO:1
US-09-988-687-3

Query Match 60.5%; Score 303; DB 11; Length 2958;

Best Local Similarity 100.0%; Pred. No. 2,1e-92;
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGGAGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 60
DB 2656 GGTATGAGCTGTGCGGAGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 2715
QY 61 AGAGCTGTGCTGTGCGGAGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 120
DB 2716 AGAGCTGTGCTGTGCGGAGCTTGGGCTCCCATTAAGCACTAGTCTATAGATGCTCTT 2775
QY 121 ACTAATTCATTTCAAGGCAAGTTTAAAGAAAGCTTTGGAACAGACGGCGGACCTTTC 180
DB 2776 ACTAATTCATTTCAAGGCAAGTTTAAAGAAAGCTTTGGAACAGACGGCGGACCTTTC 2835
QY 181 CTCTAATCCAGCAAGTATTCCTGCAACACGAGAGAGAGTAAAGATCAAGT 240
DB 2836 CTCTAATCCAGCAAGTATTCCTGCAACACGAGAGAGAGTAAAGATCAAGT 2895
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTCAGCTGCAATTAAGATGATTG 300
DB 2896 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTCAGCTGCAATTAAGATGATTG 2955
QY 301 CAA 303
DB 2956 CAA 2958

RESULT 9

US-09-988-686-3
Sequence 3, Application US/09988686
Publication No. US20030120052A1
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,686
PRIOR FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 2958
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (51)..(2531)
OTHER INFORMATION: coding sequence as in SEQ ID NO:1
US-09-988-686-3

Query Match 60.5%; Score 303; DB 11; Length 2958;
Best Local Similarity 100.0%; Pred. No. 2.1e-92;
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGGAGCTTGGGCTCCCATTAAGACATAGTCTATAGATGCTCTT 60
DB 2656 GGTATGAGCTGTGCGGAGCTTGGGCTCCCATTAAGACATAGTCTATAGATGCTCTT 2715
QY 61 AGAGCTGTGCTGCGACAGCCGCGGCGCAGAGGCTGCGACAGGAGCAAGCAAGATGA 120
DB 2716 AGAGCTGTGCTGCGACAGCCGCGGCGCAGAGGCTGCGACAGGAGCAAGCAAGATGA 2775
QY 121 ACTAATTTTCAATTTCAAGGAGCTTTTAAAGAACTCTGAAACAGACGGCGCACCTTTC 180
DB 2776 ACTAATTTTCAATTTCAAGGAGCTTTTAAAGAACTCTGAAACAGACGGCGCACCTTTC 2835
QY 181 CTCTATCCAGCAAGATGATTCCTGCGACAGCAGAGAGAGATTAAGATCAGATCAGTG 240
DB 2836 CTCTATCCAGCAAGATGATTCCTGCGACAGCAGAGAGATTAAGATCAGATCAGTG 2895
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTACCTGCAATTAAGATGAGTTTG 300
DB 2896 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTACCTGCAATTAAGATGAGTTTG 2955
QY 301 CAA 303
DB 2956 CAA 2958

RESULT 10
US-10-108-260A-282
Sequence 282, Application US/10108260A
Publication No. US20040005560A1
GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: NO. US20040005560A1el full length cdna
FILE REFERENCE: H1-A0106
CURRENT APPLICATION NUMBER: US/10/108,260A
CURRENT FILING DATE: 2002-03-27
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 282
LENGTH: 2907
TYPE: DNA
ORGANISM: Homo sapiens
US-10-108-260A-282

Query Match 59.8%; Score 299.4; DB 12; Length 2907;
Best Local Similarity 99.7%; Pred. No. 3.5e-91;
Matches 300; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGGAGCTTGGGCTCCCATTAAGACATAGTCTATAGATGCTCTT 60
DB 2607 GGTATGAGCTGTGCGGAGCTTGGGCTCCCATTAAGACATAGTCTATAGATGCTCTT 2666
QY 61 AGAGCTGTGCTGCGACAGCCGCGGCGCAGAGGCTGCGACAGGAGCAAGCAAGATGA 120
DB 2667 AGAGCTGTGCTGCGACAGCCGCGGCGCAGAGGCTGCGACAGGAGCAAGCAAGATGA 2726

QY 121 ACTAATTTTCAATTTCAAGGAGCTTTTAAAGAACTCTGAAACAGACGGCGCACCTTTC 180
DB 2727 ACTAATTTTCAATTTCAAGGAGCTTTTAAAGAACTCTGAAACAGACGGCGCACCTTTC 2786
QY 181 CTCTATCCAGCAAGATGATTCCTGCGACAGCAGAGAGAGAGATTAAGATCAGATCAGTG 240
DB 2787 CTCTATCCAGCAAGATGATTCCTGCGACAGCAGAGAGAGATTAAGATCAGATCAGTG 2846
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTACCTGCAATTAAGATGAGTTTG 300
DB 2847 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTACCTGCAATTAAGATGAGTTTG 2906
QY 301 C 301
DB 2907 C 2907

RESULT 11
US-09-988-626-223
Sequence 223, Application US/09988626
Publication No. US20030044959A1
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 223
LENGTH: 2908
TYPE: DNA
ORGANISM: Pan troglodytes
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2478)
US-09-988-626-223

Query Match 59.2%; Score 296.6; DB 11; Length 2908;
Best Local Similarity 98.7%; Pred. No. 3.2e-90;
Matches 299; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GGTATGAGCTGTGCGGAGCTTGGGCTCCCATTAAGACATAGTCTATAGATGCTCTT 60
DB 2606 GGTATGAGCTGTGCGGAGCTTGGGCTCCCATTAAGACATAGTCTATAGATGCTCTT 2665
QY 61 AGAGCTGTGCTGCGACAGCCGCGGCGCAGAGGCTGCGACAGGAGCAAGCAAGATGA 120
DB 2666 AGAGCTGTGCTGCGACAGCCGCGGCGCAGAGGCTGCGACAGGAGCAAGCAAGATGA 2725
QY 121 ACTAATTTTCAATTTCAAGGAGCTTTTAAAGAACTCTGAAACAGACGGCGCACCTTTC 180
DB 2726 ACTAATTTTCAATTTCAAGGAGCTTTTAAAGAACTCTGAAACAGACGGCGCACCTTTC 2785
QY 181 CTCTATCCAGCAAGATGATTCCTGCGACAGCAGAGAGAGATTAAGATCAGATCAGTG 240
DB 2786 CTCTATCCAGCAAGATGATTCCTGCGACAGCAGAGAGAGATTAAGATCAGATCAGTG 2845
QY 241 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTACCTGCAATTAAGATGAGTTTG 300
DB 2846 GGTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTACCTGCAATTAAGATGAGTTTG 2905

PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO: 225
LENGTH: 2892
TYPE: DNA
ORGANISM: Gorilla gorilla
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2478)
US-09-988-626-225

Query Match 50.8%; Score 254.6; DB 11; Length 2892;
Best Local Similarity 93.4%; Pred. No. 7.6e-76;
Matches 283; Conservative 0; Mismatches 4; Indels 16; Gaps 1;

QY 1 GGTATGAGCTGTGCGAGGCTTGCGCTCCACATNAGCACTAGTCTATAGTGCCTTT 60
DB 2606 GGTATGAGCTGTGCGAGGCTTGAGCTCCACATNAGCACTAGTCTATA----- 2655
QY 61 AGACTGTGCTGCGACAGCGCGCGCCAGAGGCTGCCACACGGAAGCAAGCATGA 120
DB 2656 -----GGTGCCTGCGACAGCGCGCGGACAGAGGCTGCCACACGGAAGCAAGCATGA 2709
QY 121 ACTAATTCATTTCAAGGAGTTTAAAGAAAGCTTGGAAAAGAGCGGCGACCTTTC 180
DB 2710 ACTAATTCATTTCAAGGAGTTTAAAGAAAGCTTGGAAAAGAGCGGCGACCTTTC 2769
QY 181 CTCTAATCCAGCAAGATGATTCCTCTGACACACAGACAGAGAGTAACAGATCAGTG 240
DB 2770 CTCTAATCCAGCAAGATGATTCCTCTGACACACAGACAGAGTAACAGATCAGTG 2829
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCACTGCATTAAGATTGAGTTG 300
DB 2830 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCACTGCATTAAGATTGAGTTG 2889
QY 301 CAA 303
DB 2890 CAA 2892

RESULT 15
US-09-988-687-225
Sequence 225, Application US/09988687
Publication No. US20030045704A1
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,687
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO: 225
LENGTH: 2892
TYPE: DNA
ORGANISM: Gorilla gorilla
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2478)

US-09-988-687-225

Query Match 50.8%; Score 254.6; DB 11; Length 2892;
Best Local Similarity 93.4%; Pred. No. 7.6e-76;
Matches 283; Conservative 0; Mismatches 4; Indels 16; Gaps 1;

QY 1 GGTATGAGCTGTGCGAGGCTTGCGCTCCACATNAGCACTAGTCTATAGTGCCTTT 60
DB 2606 GGTATGAGCTGTGCGAGGCTTGAGCTCCACATNAGCACTAGTCTATA----- 2655
QY 61 AGACTGTGCTGCGACAGCGCGCGCCAGAGGCTGCCACACGGAAGCAAGCATGA 120
DB 2656 -----GGTGCCTGCGACAGCGCGCGGACAGAGGCTGCCACACGGAAGCAAGCATGA 2709
QY 121 ACTAATTCATTTCAAGGAGTTTAAAGAAAGCTTGGAAAAGAGCGGCGACCTTTC 180
DB 2710 ACTAATTCATTTCAAGGAGTTTAAAGAAAGCTTGGAAAAGAGCGGCGACCTTTC 2769
QY 181 CTCTAATCCAGCAAGATGATTCCTCTGACACACAGACAGAGTAACAGATCAGTG 240
DB 2770 CTCTAATCCAGCAAGATGATTCCTCTGACACACAGACAGAGTAACAGATCAGTG 2829
QY 241 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCACTGCATTAAGATTGAGTTG 300
DB 2830 GGTCTAAGTGTCCGAGACTTAACGAAATAGTATTTCACTGCATTAAGATTGAGTTG 2889
QY 301 CAA 303
DB 2890 CAA 2892

Search completed: January 14, 2004, 07:38:08
Job time : 186.383 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 13, 2004, 16:08:41 ; Search time 48.7835 Seconds
(without alignments)
7247.291 Million cell updates/sec

Title: US-09-434-382-28_COPY_21800_22600

Perfect score: 801
Sequence: 1 agtgcctgcctcgtatctt.....agcgaagcttcgacgcgat 801

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*
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2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PTUS_COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	800.6	100.0	26664	US-09-564-805-28	Sequence 28, Appl
2	145.8	18.2	2481	US-09-564-805-1	Sequence 1, Appl
3	145.8	18.2	2892	US-09-564-805-225	Sequence 225, App
4	145.8	18.2	2908	US-09-564-805-223	Sequence 223, App
5	145.8	18.2	2958	US-09-564-805-3	Sequence 3, Appl
6	138.6	17.3	139	US-09-564-805-20	Sequence 20, Appl
7	102.2	12.8	2470	US-09-564-805-221	Sequence 221, App
8	39.8	5.0	7218	US-08-232-463-14	Sequence 14, Appl
9	39.4	4.9	840	US-09-376-728-1	Sequence 1, Appl
10	36.8	4.6	810	US-09-134-001C-1951	Sequence 1951, Ap
11	36.6	4.6	19124	US-08-487-826B-13	Sequence 13, Appl
12	36.6	4.6	4403765	US-09-103-840A-2	Sequence 2, Appl
13	36.6	4.6	4411529	US-09-103-840A-1	Sequence 1, Appl
14	36.6	4.5	1182	US-09-461-697-261	Sequence 261, App
15	36.6	4.5	2373	US-09-220-132-189	Sequence 189, App
16	36.6	4.5	2664	US-09-149-476-255	Sequence 255, App
17	36.6	4.5	50000	US-09-146-053-4	Sequence 4, Appl
18	35.8	4.5	17056	US-09-245-041-3	Sequence 3, Appl
19	35.2	4.4	843	US-09-328-352-1259	Sequence 1259, Ap
20	35.2	4.4	3253	US-09-759-359A-1	Sequence 1, Appl
21	35.2	4.4	289	US-09-007-005-17	Sequence 17, Appl
22	35.2	4.4	289	US-09-244-796-17	Sequence 17, Appl
23	34.2	4.3	3036	US-09-016-434-1155	Sequence 1155, Ap
24	34.2	4.3	3785	US-09-889-718-1	Sequence 1, Appl
25	34.2	4.2	5852	US-09-853-768-10	Sequence 10, Appl
26	34.2	4.2	7037	US-09-853-768-3	Sequence 3, Appl
27	33.6	4.2	2885	US-09-016-434-1143	Sequence 1143, Ap

28	32.8	4.1	1029	US-09-328-352-1249	Sequence 1249, Ap
C 29	32.8	4.1	6999	US-08-276-594A-1	Sequence 1, Appl
C 30	32.8	4.1	7056	US-08-121-202-1	Sequence 1, Appl
31	32.8	4.1	7881	US-08-751-189-1	Sequence 1, Appl
32	32.8	4.1	7881	US-09-060-836-1	Sequence 1, Appl
33	32.8	4.1	7881	US-09-184-445-1	Sequence 1, Appl
C 34	32.8	4.1	8241	US-08-366-851A-1	Sequence 1, Appl
C 35	32.8	4.1	8967	US-07-864-004B-3	Sequence 3, Appl
C 36	32.8	4.1	9009	US-08-251-937A-3	Sequence 3, Appl
C 37	32.8	4.1	9009	US-08-251-937A-3	Sequence 1, Appl
C 38	32.8	4.1	9009	US-08-212-133A-1	Sequence 1, Appl
C 39	32.8	4.1	9009	US-08-474-503-1	Sequence 1, Appl
C 40	32.8	4.1	9009	US-08-670-707A-1	Sequence 1, Appl
C 41	32.8	4.1	9009	US-09-037-601-1	Sequence 1, Appl
C 42	32.8	4.1	9009	US-09-315-179-1	Sequence 1, Appl
C 43	32.8	4.1	9009	US-09-523-656-1	Sequence 1, Appl
C 44	32.8	4.1	9009	PCT-US93-03775-3	Sequence 3, Appl
C 45	32.8	4.1	9009	PCT-US94-13200-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-09-564-805-28
Sequence 28, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OR INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564, 805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (910)..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
NAME/KEY: misc feature
LOCATION: (13756)..(22917)
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
OTHER INFORMATION: 16278-16416; exon 14: 16498-16583; exon 15:
OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: B at positions 826 and 23180 is G or C; Y at
OTHER INFORMATION: positions 1914, 5368, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at
OTHER INFORMATION: positions 22211 and 23879 is A or G.

;; CURRENT APPLICATION NUMBER: US/09/376,728
;; CURRENT FILING DATE: 1999-08-17
;; EARLIER APPLICATION NUMBER: US 60/097,242
;; EARLIER FILING DATE: 1998-08-20
;; NUMBER OF SEQ ID NOS: 4
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 1
;; LENGTH: 840
;; TYPE: DNA
;; ORGANISM: Zea mays
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: (51) ... (623)
US-09-376-728-1

Query Match 4.9%; Score 39.4; DB 4; Length 840;
Best Local Similarity 52.8%; Pred. No. 0.046; Indels 0; Gaps 0;
Matches 85; Conservative 0; Mismatches 76;

QY 307 CATCAGCCTGTAACATCAGCAGCTTCTAGTGGCACTCTTCTCTCTT 366
DB 615 CACAGCGCGCGCGCGCTTCTGCTCTCTCTCTCTCTCTCTCTCTCT 556
QY 367 CTGACGCCCCGACACGCTCTCTCTCTCTCTCTCTCTCTCTCTCT 426
DB 555 CCGCGCGCGCTGCGCGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 496
QY 427 CCGCATTAAGGAGACGAGCGAGGAGGCTCTGGGCAACC 467
DB 495 CCGTATGAGCGCGCGCGCTGCTGCTCTCTCTCTCTCTCTCTCTCT 455

RESULT 10

US-09-134-001C-1951/C
;; Sequence 1951, Application US/09134001C
;; Patent No. 6380370
;; GENERAL INFORMATION:
;; APPLICANT: Lynn Doucette-Stamm et al
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
;; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
;; FILE REFERENCE: GTC-007
;; CURRENT APPLICATION NUMBER: US/09/134,001C
;; CURRENT FILING DATE: 1998-08-13
;; PRIOR APPLICATION NUMBER: US 60/064,964
;; PRIOR FILING DATE: 1997-11-08
;; PRIOR APPLICATION NUMBER: US 60/055,779
;; PRIOR FILING DATE: 1997-08-14
;; NUMBER OF SEQ ID NOS: 5674
;; SEQ ID NO 1951
;; LENGTH: 810
;; TYPE: DNA
;; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-1951

Query Match 4.6%; Score 36.8; DB 4; Length 810;
Best Local Similarity 69.4%; Pred. No. 0.28; Indels 0; Gaps 0;
Matches 50; Conservative 0; Mismatches 22;

QY 47 CTGATGCTGATGATCTTGTAGACTTAATGCTTAAAGCTCTTAATACTTTT 106
DB 139 CAGCAGTTTCAGATTCATGATTAATCTTAATAATCTTAATAATGTTTAA 80
QY 107 TTTTCTTTGAT 118
DB 79 TTGTTCTTTAT 68

RESULT 11

US-08-487-826B-13/C
;; Sequence 13, Application US/08487826B
;; Patent No. 593827
;; GENERAL INFORMATION:
;; APPLICANT: Sim, Kim L.

;; APPLICANT: Chitnis, Chetan
;; APPLICANT: Miller, Louis H.
;; APPLICANT: Peterson, David S.
;; APPLICANT: Su, Xin-zhaun
;; APPLICANT: Wellens, Thomas E.
;; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMIDIUM VIYAX
;; TITLE OF INVENTION: AND PLASMIDIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;; NUMBER OF SEQUENCES: 45
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Knobbe Martens Olson & Bear
;; STREET: 620 Newport Center Drive 16th Floor
;; CITY: Newport Beach
;; STATE: California
;; COUNTRY: US
;; ZIP: 92660

;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/487,826B
;; FILING DATE: 10-SEP-1993
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Israelien, Ned
;; REGISTRATION NUMBER: 29,655
;; REFERENCE/DOCKET INFORMATION: NIH121.001CP1
;; TELEPHONE: (619) 235-8550
;; TELEFAX: (619) 235-0176
;; INFORMATION FOR SEQ ID NO: 13:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 19124 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
US-08-487-826B-13

Query Match 4.6%; Score 36.6; DB 2; Length 19124;
Best Local Similarity 53.1%; Pred. No. 2; Indels 0; Gaps 0;
Matches 78; Conservative 0; Mismatches 69;

QY 93 ATAACTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 152
DB 15941 ATTAATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 15882
QY 153 TCAGGCTTCATGATCTTCTTCTTAAAGAGATGACACATGTAATCACCCTTA 212
DB 15881 AAATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 15822
QY 213 TGGTTAATTAATGCTTTTATTA 239
DB 15821 TTATTTAATAAATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 15822

RESULT 12

US-09-103-840A-2
;; Sequence 2, Application US/09103840A
;; Patent No. 6294328
;; GENERAL INFORMATION:
;; APPLICANT: FLEISCHMAN, Robert D.
;; APPLICANT: WHITE, Owen R.
;; APPLICANT: FRASER, Claire M.
;; APPLICANT: VENTER, John C.
;; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
;; FILE REFERENCE: 24366-20007.00
;; CURRENT APPLICATION NUMBER: US/09/103,840A
;; CURRENT FILING DATE: 1998-06-24

Oy 219 AATTAAATGGCTTTTATATTAAGTCTCCTCAAGCAA 254
| | | | | | | | | | | | | | | | | | | | | |
Db 824 AGTAAATTTTCATCTATAGGTTTCTTAAAAAAA 789

Search completed: January 13, 2004, 23:23:54
Job time : 69.7835 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 13, 2004, 22:49:52 ; Search time 291.595 Seconds
(without alignments)
9682.402 Million cell updates/sec

Title: US-09-434-382-28_COPY_21800_22600

Perfect score: 801
Sequence: 1 agtgcctgcctcgtattctt.....agcgaagccttgaccgagat 801

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapept 1.0

Searched: 2324096 seqs, 1762381658 residues

Total number of hits satisfying chosen parameters: 4648192

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	800.6	100.0	26664	11	US-09-988-687-28 Sequence 28, Appl
3	800.6	100.0	26664	11	US-09-988-686-28 Sequence 28, Appl
4	145.8	18.2	2481	11	US-09-988-626-1 Sequence 1, Appl
5	145.8	18.2	2481	11	US-09-988-687-1 Sequence 1, Appl
6	145.8	18.2	2481	11	US-09-988-686-1 Sequence 1, Appl
7	145.8	18.2	2892	11	US-09-988-626-225 Sequence 225, App
8	145.8	18.2	2892	11	US-09-988-687-225 Sequence 225, App
9	145.8	18.2	2892	11	US-09-988-686-225 Sequence 225, App
10	145.8	18.2	2908	11	US-09-988-626-223 Sequence 223, App
11	145.8	18.2	2908	11	US-09-988-687-223 Sequence 223, App
12	145.8	18.2	2908	11	US-09-988-686-223 Sequence 223, App
13	145.8	18.2	2958	11	US-09-988-626-3 Sequence 3, Appl
14	145.8	18.2	2958	11	US-09-988-687-3 Sequence 3, Appl
15	145.8	18.2	2958	11	US-09-988-686-3 Sequence 3, Appl

16	144.2	18.0	2907	12	US-10-108-260A-282 Sequence 282, App
17	138.6	17.3	139	11	US-09-988-626-20 Sequence 20, Appl
18	138.6	17.3	139	11	US-09-988-687-20 Sequence 20, Appl
19	138.6	17.3	139	11	US-09-988-686-20 Sequence 20, Appl
20	102.2	12.8	2470	11	US-09-988-626-221 Sequence 221, App
21	102.2	12.8	2470	11	US-09-988-687-221 Sequence 221, App
22	102.2	12.8	2470	11	US-09-988-686-221 Sequence 221, App
23	40.4	5.0	6121	13	US-10-240-485-31 Sequence 31, Appl
24	40	5.0	10710	13	US-10-311-455-866 Sequence 866, App
25	39.2	4.9	1152	10	US-09-764-847-1517 Sequence 1517, App
26	39.2	4.9	1152	15	US-10-092-154-1517 Sequence 1518, App
27	39.2	4.9	1655	15	US-09-764-847-1518 Sequence 1518, App
28	39.2	4.9	1655	15	US-10-092-154-1518 Sequence 1518, App
29	38.8	4.8	1732	9	US-09-764-853-379 Sequence 379, Appl
30	38.8	4.8	1732	15	US-10-091-438-289 Sequence 289, Appl
31	38.8	4.8	4443	15	US-10-156-761-3260 Sequence 3260, App
32	38.8	4.8	6014	13	US-10-354-358-89 Sequence 89, Appl
33	38.8	4.8	15548	13	US-10-311-455-2128 Sequence 2128, Appl
34	38.8	4.8	9025608	15	US-10-156-761-1 Sequence 1, Appl
35	38	4.7	5981	13	US-10-311-455-2166 Sequence 2166, Appl
36	38	4.7	10286	13	US-10-240-453-21 Sequence 21, Appl
37	38	4.7	10286	15	US-10-239-676-13 Sequence 13, Appl
38	37.6	4.7	3673778	13	US-10-312-841-2 Sequence 2, Appl
39	36.8	4.6	671	10	US-09-764-847-296 Sequence 296, App
40	36.8	4.6	671	15	US-10-092-154-296 Sequence 296, App
41	36.8	4.6	1578	10	US-09-822-830A-583 Sequence 583, App
42	36.2	4.5	1967	13	US-10-027-632-251582 Sequence 251582, App
43	36.2	4.5	1967	14	US-10-027-632-251582 Sequence 251582, App
44	36.2	4.5	4003	13	US-10-369-186-268 Sequence 268, App
45	36.2	4.5	4003	13	US-10-361-811-268 Sequence 268, App

ALIGNMENTS

RESULT 1
US-09-988-626-28
Sequence 28, Application US/09988626
Publication No. US20030044959A1
GENERAL INFORMATION:
APPLICANT: Tavitigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT FILING DATE: 2001-11-20
PRIORITY FILING DATE: 09/564, 805
PRIORITY FILING DATE: 2000-05-05
PRIORITY FILING DATE: 1998-11-06
PRIORITY FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (910)..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
NAME/KEY: misc_feature
LOCATION: (13756)..(22917)
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon

OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
 OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
 OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
 NAME/KEY: misc feature
 LOCATION: (23045)..(26452)
 OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
 OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
 OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
 OTHER INFORMATION: signal: 26447-26452
 NAME/KEY: variation
 LOCATION: (826)..(23879)
 OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
 OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
 OTHER INFORMATION: is C or T; n at position 13128 is t or lgat; r at
 OTHER INFORMATION: positions 22211 and 23879 is A or G.
 US-09-988-626-28

Query Match 100.0%; Score 800.6; DB 11; Length 26664;
 Best Local Similarity 100.0%; Pred. No. 9.8e-234;
 Matches 801; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 AGTGCCTGCTCGTATTTTCAACAGAGGCTGTGGCCACAGCATCTGCATGTCAGAT 60
 21800 AGTGCCTGCTCGTATTTTCAACAGAGGCTGTGGCCACAGCATCTGCATGTCAGAT 21859
 61 TCATTGTAGACTAAATGCTTTAAGCCCTCTATAAATTTTTTTTTTTTGGATGC 120
 21860 TCATTGTAGACTAAATGCTTTAAGCCCTCTATAAATTTTTTTTTTTTGGATGC 21919
 121 CCAGCCTTTGTGTAAGTCTACTTGAAGAGGTTTCAGGGTTCCATGATACCTTTGCTA 180
 21920 CCAGCCTTTGTGTAAGTCTACTTGAAGAGGTTTCAGGGTTCCATGATACCTTTGCTA 21979
 181 TAAAGAGATGACATGTAATAATCACTTANGTGTAATTAATGGTTTATATATG 240
 21980 TAAAGAGATGACATGTAATAATCACTTANGTGTAATTAATGGTTTATATATG 22039
 241 CTCTCTAAGCAAGAGAGAGAGAGAGAAATTTTGCAGTTGCTTTGGCTGCTGCA 300
 22040 CTCTCTAAGCAAGAGAGAGAGAGAGAAATTTTGCAGTTGCTTTGGCTGCTGCA 22099
 301 AGCAGACATCAGCCTCTGTACATCAGACAGTCTTCTAGTGCAGTACTCTTCTCT 360
 22100 AGCAGACATCAGCCTCTGTACATCAGACAGTCTTCTAGTGCAGTACTCTTCTCT 22159
 361 TCTCTTGCAGCCCGCAGACGCTCTGTACTGACCTGTGTGAGGGGACCTTTGGGCA 420
 22160 TCTCTTGCAGCCCGCAGACGCTCTGTACTGACCTGTGTGAGGGGACCTTTGGGCA 22219
 421 GCTGTGCCCTCATTTACGAGAGACAGAGTGGACCTGGGCACTCTGGCTGTGTT 480
 22220 GCTGTGCCCTCATTTACGAGAGACAGAGTGGACCTGGGCACTCTGGCTGTGTT 22279
 481 TGTGTCCACCTGTGCAGCAGATCACCAACGGTGAAGTGGGCTGGACCAAAAGCTG 540
 22280 TGTGTCCACCTGTGCAGCAGATCACCAACGGTGAAGTGGGCTGGACCAAAAGCTG 22339
 541 AGCCTGGAGAGGAGCACTGCAGTGTGAGTGGCCCTTTGGCTGCTTTCTCCGCTT 600
 22340 AGCCTGGAGAGGAGCACTGCAGTGTGAGTGGCCCTTTGGCTGCTTTCTCCGCTT 22399
 601 CCAAACCTGCCAGAGCTTTTGTACTCATCTCTGCTGAGAAATGTTTTTGGCAAA 660
 22400 CCAAACCTGCCAGAGCTTTTGTACTCATCTCTGCTGAGAAATGTTTTTGGCAAA 22459
 661 TCAACATAGTCTTCTGTGCACCAAGAAATGCTTCTTCTCTGTGAGTCTCTTCTGC 720
 22460 TCAACATAGTCTTCTGTGCACCAAGAAATGCTTCTTCTCTGTGAGTCTCTTCTGC 22519
 721 AGCAGAGACAGGTTTGAAGTTTACCCAGCTTCTTGAAGTCTTGAATCTCAACGGGCTGCT 780
 22520 AGCAGAGACAGGTTTGAAGTTTACCCAGCTTCTTGAAGTCTTGAATCTCAACGGGCTGCT 22579

781 CAGCGAAGCTTTGACCCGAT 801
 22580 CAGCGAAGCTTTGACCCGAT 22600

RESULT 2
 US-09-988-687-28

Sequence 28, Application US/09988687
 Publication No. US20030045704A1

GENERAL INFORMATION:

APPLICANT: Tavrigian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/988,687

PRIOR FILING DATE: 2001-11-20

PRIOR APPLICATION NUMBER: 09/564,805

PRIOR FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 28

LENGTH: 26664

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc feature

LOCATION: (910)..(13104)

OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:

OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;

OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:

OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:

OTHER INFORMATION: 13032-13104;

NAME/KEY: misc feature

LOCATION: (13756)..(22917)

OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon

OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:

OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:

OTHER INFORMATION: 22172-22310; exon 18: 22879-22917

NAME/KEY: misc feature

LOCATION: (23045)..(26452)

OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon

OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:

OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation

OTHER INFORMATION: signal: 26447-26452

NAME/KEY: variation

LOCATION: (826)..(23879)

OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at

OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486

OTHER INFORMATION: is C or T; n at position 13128 is t or lgat; r at

OTHER INFORMATION: positions 22211 and 23879 is A or G.
 US-09-988-687-28

Query Match 100.0%; Score 800.6; DB 11; Length 26664;
 Best Local Similarity 100.0%; Pred. No. 9.8e-234;
 Matches 801; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 AGTGCCTGCTCGTATTTTCAACAGAGGCTGTGGCCACAGCATCTGCATGTCAGAT 60
 21800 AGTGCCTGCTCGTATTTTCAACAGAGGCTGTGGCCACAGCATCTGCATGTCAGAT 21859
 61 TCATTGTAGACTAAATGCTTTAAGCCCTCTATAAATTTTTTTTTTTTGGATGC 120
 21860 TCATTGTAGACTAAATGCTTTAAGCCCTCTATAAATTTTTTTTTTTTGGATGC 21919
 121 CCAGCCTTTGTGTAAGTCTACTTGAAGAGGTTTCAGGGTTCCATGATACCTTTGCTA 180


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Db 21920 CCACCTTTGTGAAGTCTACTTGAAGGGTTTCAGGGTTCACAGTAACCTTTGGCTA 21979
Qy 181 TAAAGAGATGACACATGTAATAATCACCTTATGGTTAAATTAATGGCTTTATATAG 240
Db 21980 TAAAGAGATGACACATGTAATAATCACCTTATGGTTAAATTAATGGCTTTATATAG 22039
Qy 241 CTCTCAAGCAAGCAAGAGAGAGACAGAAATTTCTGCAAGTTCTTCTTGTCTGTCCAA 300
Db 22040 CTCTCAAGCAAGCAAGAGAGAGACAGAAATTTCTGCAAGTTCTTCTTGTCTGTCCAA 22099
Qy 301 AGCAGACATCAGCCTCTGTAACATCAGACAGTCTTCTATGAGGCACTCTCTTCTCT 360
Db 22100 AGCAGACATCAGCCTCTGTAACATCAGACAGTCTTCTATGAGGCACTCTCTCTCT 22159
Qy 361 TCTCTTCTGCAAGCCCGCAGCTCTGCTGCTACTGAGACGTGTGAGGGCACTTTGGGCA 420
Db 22160 TCTCTTCTGCAAGCCCGCAGCTCTGCTGCTACTGAGACGTGTGAGGGCACTTTGGGCA 22219
Qy 421 GCTGTGCGGTGATTACGAGAGACAGAGTGAAGGGTCTGAGGCACTCTGCTGTGTGT 480
Db 22220 GCTGTGCGGTGATTACGAGAGACAGAGTGAAGGGTCTGAGGCACTCTGCTGTGTGT 22279
Qy 481 TGTGTCCACCTGCAACGAGATCACACACAGGTGAGTGTGGCTGACCAAAAGCTGG 540
Db 22280 TGTGTCCACCTGCAACGAGATCACACACAGGTGAGTGTGGCTGACCAAAAGCTGG 22339
Qy 541 AGCTGAGAGAGGACCTGACAGTGAAGTGAAGTGGCCCTTTGGCTGCTCTTCCCGCTT 600
Db 22340 AGCTGAGAGAGGACCTGACAGTGAAGTGAAGTGGCCCTTTGGCTGCTCTTCCCGCTT 22399
Qy 601 CCAAACTGCGCAGAGCTTTTGTACTCATCTGCTGAGTGAAGTGTGTTTGGCAAAAC 660
Db 22400 CCAAACTGCGCAGAGCTTTTGTACTCATCTGCTGAGTGAAGTGTGTTTGGCAAAAC 22459
Qy 661 TCAACATAGTCTTCTGCGCACAAGAAATGTTCTTCTCTGTCAGTCTTCTTCTGTC 720
Db 22460 TCAACATAGTCTTCTGCGCACAAGAAATGTTCTTCTCTGTCAGTCTTCTTCTGTC 22519
Qy 721 AGCAGAGAGTGTGAGTGTATCCAGCCTTCTGTAAGTCTGTAATCTACAGGCTGCT 780
Db 22520 AGCAGAGAGTGTGAGTGTATCCAGCCTTCTGTAAGTCTGTAATCTACAGGCTGCT 22579
Qy 781 CAGCGGAGCTTTGACCGGAT 801
Db 22580 CAGCGGAGCTTTGACCGGAT 22600

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RESULT 3

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US-09-988-686-28
; Sequence 28, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavligian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT FILING DATE: 09/988, 686
; PRIOR APPLICATION NUMBER: 09/564, 805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107, 468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434, 382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 26664

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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (910)..(13104)
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
; NAME/KEY: misc feature
; LOCATION: (13756)..(22917)
; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
; OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
; OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
; OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
; NAME/KEY: misc feature
; LOCATION: (23045)..(26452)
; OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
; OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
; OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
; OTHER INFORMATION: signal: 26447-26452
; NAME/KEY: variation
; LOCATION: (826)..(23879)
; OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
; OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
; OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at
; OTHER INFORMATION: positions 22211 and 23879 is A or G.
US-09-988-686-28

Query Match 100.0%; Score 800.6; DB 11; Length 26664;
Best Local Similarity 100.0%; Pred. No. 9.8e-224;
Matches 801; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGTGCCTGCTCTGATATTTTCAACAGAGGCTGTGGCCACATGCAATCTGCATGTCAT 60
Db 21800 AGTGCCTGCTCTGATATTTTCAACAGAGGCTGTGGCCACATGCAATCTGCATGTCAT 21859
Qy 61 TCATTGTTAGGACTTAATGCTTTAAGCCTCCTATTAACCTTTTCTTTTGTGATGC 120
Db 21860 TCATTGTTAGGACTTAATGCTTTAAGCCTCCTATTAACCTTTTCTTTTGTGATGC 21919
Qy 121 CCAGCTTTGTGAAGTCTTACTCTGTAAGAGGTTTCAAGGTTCCATGATATCTTGTGCTA 180
Db 21920 CCAGCTTTGTGAAGTCTTACTCTGTAAGAGGTTTCAAGGTTCCATGATATCTTGTGCTA 21979
Qy 181 TAAAGAGATGACACATGTAATAATCACCTTATGGTTAAATTAATGGCTTTATATAG 240
Db 21980 TAAAGAGATGACACATGTAATAATCACCTTATGGTTAAATTAATGGCTTTATATAG 22039
Qy 241 CTCTCAAGCAAGCAAGAGAGAGACAGAAATTTCTGCAAGTTCTTCTTGTCTGTCCAA 300
Db 22040 CTCTCAAGCAAGCAAGAGAGAGACAGAAATTTCTGCAAGTTCTTCTTGTCTGTCCAA 22099
Qy 301 AGCAGACATCAGCCTCTGTAACATCAGACAGTCTTCTATGAGGCACTCTCTTCTCT 360
Db 22100 AGCAGACATCAGCCTCTGTAACATCAGACAGTCTTCTATGAGGCACTCTCTCTCT 22159
Qy 361 TCTCTTCTGCAAGCCCGCAGCTCTGCTGCTACTGAGACGTGTGAGGGCACTTTGGGCA 420
Db 22160 TCTCTTCTGCAAGCCCGCAGCTCTGCTGCTACTGAGACGTGTGAGGGCACTTTGGGCA 22219
Qy 421 GCTGTGCGGTGATTACGAGAGACAGAGTGAAGGGTCTGAGGCACTCTGCTGTGTGT 480
Db 22220 GCTGTGCGGTGATTACGAGAGACAGAGTGAAGGGTCTGAGGCACTCTGCTGTGTGT 22279
Qy 481 TGTGTCCACCTGCAACGAGATCACACACAGGTGAGTGTGGCTGACCAAAAGCTGG 540
Db 22280 TGTGTCCACCTGCAACGAGATCACACACAGGTGAGTGTGGCTGACCAAAAGCTGG 22339
Qy 541 AGCTGAGAGAGGACCTGACAGTGAAGTGAAGTGGCCCTTTGGCTGCTCTTCCCGCTT 600
Db 22340 AGCTGAGAGAGGACCTGACAGTGAAGTGAAGTGGCCCTTTGGCTGCTCTTCCCGCTT 22399

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QY	661	TCAACATAGTCTCTTCTGCGCCACAGAAATGTCCTCTTCTGAGTCCCTTCTCTGC	720
Db	22460	TCAACATAGTCTCTTCTGCGCCACAGAAATGTCCTCTCTCTGAGTCCCTTCTCTGC	22519
QY	721	AGCAGGACAGGTTTGAATTAAACCAGGCTTCTTGAATCTTGAATCTCACAGGCGCTGCT	780
Db	22520	AGCAGGACAGGTTTGAATTAAACCAGGCTTCTTGAATCTTGAATCTCACAGGCGCTGCT	22579
QY	781	CAGCGGAAGCTTTGACCGGAT	801
Db	22580	CAGCGGAAGCTTTGACCGGAT	22600

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RESULT 4
US-09-988-626-1
Sequence 1, Application US/09988626
Publication No. US20030044959A1
GENERAL INFORMATION:
APPLICANT: Tavtighian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,626
PRIORITY FILING DATE: 2001-11-20
PRIORITY APPLICATION NUMBER: 09/564,805
PRIORITY FILING DATE: 2000-05-05
PRIORITY APPLICATION NUMBER: US 60/107,468
PRIORITY FILING DATE: 1998-11-06
PRIORITY APPLICATION NUMBER: 09/434,382
PRIORITY FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 2481
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2478)
US-09-988-626-1

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Oy	398	TGTGTGAGGCGACRFTTTGGSCAGCTGTGCCCTCATTTACGAGACCAGGTGACAGGGTC	457							
Dd	1546	TGTGTGAGGCGACATTGGGCACTGGGCGAGTCCTCATTTACGAGACAGAGTGACAGGGTC	1605							
Oy	458	CTGGGCACTCTGGCTGTGTATTGTGCCCCACGTGACGGAGATCACCAACCGG	512							
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RESULT 5
US-09-988-687-1
; Sequence 1, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.

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APPLICANT: Teng, David H. F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,687
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,362
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 2481
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2478)
US-09-988-687-1

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	Query Match	18.28	Score 145.8	DB 11	Length 2481
	Best Local Similarity	89.18	Pred. No. 1.7e-33		
	Matches 156	Conservative 1	Mismatches 18	Indels 0	Gaps 0
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Db	1486 ATTGGAATGTCAATGCGACACACTTGTCAACATAGCCCGACACGTCCTCTCTACTGGAC				1545
QY	398 TGTGTGAGGGGCACRTTTTGGGCACTGTGCCGTATTACGAGACCGAGTGGACAGGGTC				457
Db	1546 TGTGTGATGAGGCACATTTTGGGCACTGTGCCGTATTACGAGACCGAGTGGACAGGGTC				1605
QY	458 CTGGGGACCCCTGGGCTGGTGTTTGTGTGCCACCTGCACGGAGATCAACACACGG				512
Db	1606 CTGGGGACCCCTGGGCTGGTGTTTGTGTGCCACCTGCACGGAGATCAACACACGG				1660

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RESULT 6
US-09-988-686-1
; Sequence 1, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H. F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,686
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2481
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)

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OM nucleic - nucleic search, using sw model

Run on: January 13, 2004, 16:08:41 ; Search time 30.4516 Seconds
(without alignments)
7247.291 Million cell updates/sec

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Perfect score: 500
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Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	500	100.0	26664	US-09-564-805-28	Sequence 28, Appl
2	120.4	24.1	7680	US-09-210-748A-3	Sequence 3, Appl
3	119.6	23.9	1160	US-09-016-434-1325	Sequence 1325, Ap
4	119.6	23.9	70000	US-09-851-896-3	Sequence 3, Appl
5	115.8	23.2	8220	US-09-797-908-3	Sequence 3, Appl
6	115.6	23.1	84495	US-09-732-025-3	Sequence 3, Appl
7	115.4	23.1	8285	US-09-733-455-3	Sequence 3, Appl
8	115.4	23.1	11827	US-09-734-673-3	Sequence 3, Appl
9	115	23.0	38564	US-09-851-896-3	Sequence 3, Appl
10	112.8	22.6	70000	US-08-310-356-36	Sequence 36, Appl
11	111.6	22.3	19011	US-08-310-356-36	Sequence 36, Appl
12	111.6	22.3	19557	US-09-369-247-42	Sequence 42, Appl
13	111.4	22.3	1268	US-08-724-394A-21	Sequence 21, Appl
14	111.4	22.3	2099	US-08-724-394A-21	Sequence 21, Appl
15	111.4	22.3	2099	US-08-724-394A-21	Sequence 21, Appl
16	111.4	22.3	14636	US-09-173-914-6	Sequence 6, Appl
17	111.4	22.3	25464	US-09-347-114A-93	Sequence 93, Appl
18	111.2	22.2	64467	US-09-803-671B-3	Sequence 3, Appl
19	111.2	22.2	246240	US-08-724-394A-20	Sequence 20, Appl
20	111.2	22.2	246240	US-08-724-394A-21	Sequence 21, Appl
21	111.2	22.2	246240	US-08-724-394A-22	Sequence 22, Appl
22	110.8	22.2	5375	US-08-757-223-7	Sequence 7, Appl
23	110.4	22.1	13394	US-09-488-856A-10	Sequence 10, Appl
24	110.4	22.1	84495	US-09-797-908-3	Sequence 3, Appl
25	110.4	22.1	319608	US-09-533-333D-1	Sequence 1, Appl
26	110.4	22.1	319608	US-09-679-409-1	Sequence 1, Appl
27	110.2	22.0	320	US-08-629-939-5	Sequence 5, Appl

28	110.2	22.0	320	1	US-08-759-873-5	Sequence 5, Appl
29	110	22.0	980	4	US-09-671-317-144	Sequence 144, App
30	110	22.0	36159	4	US-09-749-588-3	Sequence 3, Appl
31	110	22.0	174493	4	US-09-804-471A-3	Sequence 3, Appl
32	109.8	22.0	19650	4	US-09-819-989-3	Sequence 3, Appl
33	109.8	22.0	202001	4	US-09-734-674-3	Sequence 3, Appl
34	109.8	22.0	246240	2	US-08-724-394A-20	Sequence 20, Appl
35	109.8	22.0	246240	2	US-08-724-394A-21	Sequence 21, Appl
36	109.8	22.0	246240	2	US-08-724-394A-22	Sequence 22, Appl
37	109.4	21.9	668	3	US-09-347-114A-93	Sequence 93, Appl
38	109.4	21.9	9734	3	US-09-347-114A-80	Sequence 80, Appl
39	109.2	21.8	14796	3	US-08-975-080-35	Sequence 35, Appl
40	109.2	21.8	14796	3	US-09-630-706-10	Sequence 10, Appl
41	109.2	21.8	14796	4	US-09-496-694B-3	Sequence 3, Appl
42	109.2	21.8	83450	4	US-09-811-469-3	Sequence 3, Appl
43	109	21.8	602	3	US-09-078-294-27	Sequence 27, Appl
44	109	21.8	31208	4	US-09-852-067-3	Sequence 3, Appl
45	109	21.8	148567	4	US-09-801-876B-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-09-564-805-28
Sequence 28, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavitgian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (910)..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
NAME/KEY: misc feature
LOCATION: (13756)..(22917)
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
OTHER INFORMATION: 16583-18701; exon 16: 20349-20445; exon 17:
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
OTHER INFORMATION: 21: 23973-24093; exon 22: 24358-24432; exon 23:
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: B at positions 826 and 23180 is G or C; Y at
OTHER INFORMATION: positions 1914, 5368, 7163, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is C or Tgat; r at
OTHER INFORMATION: positions 22211 and 23879 is A or G.

US-09-564-805-28

Query Match 100.0%; Score 500; DB 4; Length 2664;

Best Local Similarity 100.0%; Pred. No. 1.4e-132; Mismatches 0; Indels 0; Gaps 0;

Matches 500; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 TTTACACATAGAAAAGCTGAGCTCTGAGAGGTCAAGATCAGCAGCTACAAATGAGCC 120
QY 121 AAGACTCTGCTTTGAGCTGTCCTTATCTGCTTTCTTTCCAAAAACACTACAA 180
DB 121 AAGACTCTGCTTTGAGCTGTCCTTATCTGCTTTCTTTCCAAAAACACTACAA 180
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DB 241 GCAGTGGCGGATTTGCTGACTACACCGCACTCCGCTCCGCTTAAGGATTTCTCTGC 300
QY 301 CTCAGCTCCCAAGTACGCTGAGCTCAAGCTCGGAGACACAGTAAATGATCAAGTT 360
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DB 361 CTACATGATGATCATGCAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 420
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DB 481 AAGCTCTGAGGAGCTGAGCT 500
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RESULT 2

US-09-210-748A-3

Sequence 3, Application US/09210748A

Patent No. 6335156

GENERAL INFORMATION:

APPLICANT: Hermeking, Heiko

APPLICANT: Vogelstein, Bert

APPLICANT: Kinzler, Kenneth

TITLE OF INVENTION: 14-3-3 SIGMA ARREST THE CELL CYCLE

FILE REFERENCE: 1107.77810

CURRENT APPLICATION NUMBER: US/09/210,748A

CURRENT FILING DATE: 1998-12-15

PRIOR APPLICATION NUMBER: 60/069,416

PRIOR FILING DATE: 1997-12-18

NUMBER OF SEQ ID NOS: 18

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 3

LENGTH: 7680

TYPE: DNA

ORGANISM: Homo sapiens

US-09-210-748A-3

Query Match 24.1%; Score 120.4; DB 4; Length 7680;

Best Local Similarity 74.3%; Pred. No. 1.2e-24;

Matches 155; Conservative 0; Mismatches 56; Indels 1; Gaps 1;

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QY 184 TTTGTTGTTGTTGTTGTTGTTGTTGAGACAGGCTCTGAGGTGTACCCAGGCTGAGTGA 243
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QY 244 GTGGGGCATTTTCACTACACCGCACTCCGCTTCCGCTTAGGATTCCTGCTT 302
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QY 303 CAGCTCCCAAGTACGAGTACCACTACCACTGAGGAGCAGCAGC 344
DB 6066 CAGCTCCCAAGTACGAGTACCACTACCACTGAGGAGCAGCAGC 6107
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RESULT 3

US-09-016-434-1325/c

Sequence 1325, Application US/09016434

Patent No. 6500938

GENERAL INFORMATION:

APPLICANT: Janice Au-Young

APPLICANT: Jeffrey J. Seilhamer

TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING

TITLE OF INVENTION: PATHWAY GENE EXPRESSION

NUMBER OF SEQUENCES: 1490

CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

STREET: 3174 PORTER DRIVE

CITY: PALO ALTO

STATE: CALIFORNIA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/016,434

FILING DATE: HEREWITH

CLASSIFICATION:

APPLICATION DATA:

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Zeller, Karen J.

REGISTRATION NUMBER: 37,071

REFERENCE/DOCKET NUMBER: PA-0002 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650) 855-0555

TELEFAX: (650) 845-4166

INFORMATION FOR SEQ ID NO: 1325:

SEQUENCE CHARACTERISTICS:

LENGTH: 1160 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: GENBANK

CLONE: 9339420

US-09-016-434-1325

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Best Local Similarity 82.5%; Pred. No. 9.6e-25;

Matches 137; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

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QY 239 GTGCACTGGCGGATTTTCACTACACCGCACTCCGCTTCCGCTTAGGATTCCTGCT 298
DB 707 GTGCACTGGCGGATTTTCACTACACCGCACTCCGCTTCCGCTTCCGCTTAGGATTCCTGCT 648
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FEATURE:
NAME/KEY: exon
LOCATION: 13702..13799
OTHER INFORMATION: /number= 10

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FEATURE:
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LOCATION: 13800..14976
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OTHER INFORMATION: /number= 13
FEATURE:
NAME/KEY: exon
LOCATION: 17697..17764
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NAME/KEY: intron
LOCATION: 17765..18534
OTHER INFORMATION: /number= 14
FEATURE:
NAME/KEY: CDS
LOCATION: join(1776..1854, 2564..2621, 4076..4208,
6041..6252, 6802..6934, 7759..7856, 9444..9573
LOCATION: 10867..11081, 12481..12613, 13702..13799,
LOCATION: 14977..15115, 15534..15757, 16950..17082,
LOCATION: 17697..17741)
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FEATURE:
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OTHER INFORMATION: /number= 15
FEATURE:
NAME/KEY: 3'UTR
LOCATION: 17742..18697
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1737..1775
PUBLICATION INFORMATION:
AUTHORS: Minghetti, P P
AUTHORS: Ruffner, D E
AUTHORS: Kuang, W-J
AUTHORS: Demmlison, O E
AUTHORS: Hawkins, J W
AUTHORS: Beattie, W G
AUTHORS: Dugalczyk, A
TITLE: MOLECULAR STRUCTURE OF THE HUMAN ALBUMIN
TITLE: GENE IS REVEALED BY NUCLEOTIDE SEQUENCE WITHIN
JOURNAL: J. Biol. Chem.
VOLUME: 261
PAGES: 6747-6757
DATE: 1986
RELEVANT RESIDUES IN SEQ ID NO: 36: FROM 1 TO 19011
OS-08-310-356-36

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Query Match      22.3%; Score 111.6; DB 1; Length 19011;
Best Local Similarity 81.6%; Pred. No. 5,6e-22;
Matches 129; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

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Qy      247  GCGCGATTGTGACTCACCGCAACTCCGCGCTCCGCGGCTTAAGCAATTCTCCTGCGCTACG 306
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Qy      307  CTCCCAGTAGCTGGAGCTACAAAGCTCGGAGACACACG 344
Db      3158 CTCCGAGTACTGGAGCTACAGGCGCCCGCATACAG 3195

RESULT 12
PCT-US92-06300-1
Sequence 1, Application PC/TUS9206300
GENERAL INFORMATION:
APPLICANT: Hurwitz, David R
APPLICANT: Nathan, Margret
APPLICANT: Shani, Moshe
TITLE OF INVENTION: Transgenic Protein Production
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer, Inc.
STREET: 500 Virginia Ave., Bldg. 3A
CITY: Ft. Washington
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19034
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/06300
FILING DATE: 19920730
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Goodman, Rosanne
REGISTRATION NUMBER: 52,534
REFERENCE/DOCKET NUMBER: A0856-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 962-4130
TELEFAX: (215) 962-4107
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 19557 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
PUBLICATION INFORMATION:
AUTHORS: Minipetli, P P
AUTHORS: Ruffner, D E
AUTHORS: Kuang, W.-J.
AUTHORS: Dennison, O E
AUTHORS: Hawkins, J W
AUTHORS: Beattie, W G
AUTHORS: Dugalczyk, A
TITLE: MOLECULAR STRUCTURE OF THE HUMAN ALBUMIN GENE
TITLE: IS REVEALED BY NUCLEOTIDE SEQUENCE WITHIN Q11-22
JOURNAL: J. Biol. Chem.
VOLUME: 261
PAGES: 6747-6757
DATE: 1986

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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(without alignments)
9682.402 Million cell updates/sec

Title: US-09-434-382-28_COPY_1_500

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Searched: 2324096 seqs, 1762381658 residues

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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8	120.4	24.1	7680	13	US-10-059-581A-3
9	120.4	24.1	10034	13	US-10-059-579-102
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13	119.8	24.0	4045	11	US-09-764-891-8718
14	119.8	24.0	4045	11	US-09-764-891-8719
15	119.6	23.9	1160	8	US-08-927-939-78

16	119.6	23.9	1160	10	US-09-954-531-146	Sequence 146, App
17	119.6	23.9	1160	13	US-09-873-319-416	Sequence 416, App
18	119.6	23.9	1160	13	US-09-960-706-668	Sequence 668, App
19	119	23.8	478	13	US-10-027-632-289949	Sequence 289949,
20	119	23.8	478	14	US-10-027-632-289949	Sequence 289949,
21	118.8	23.8	73467	15	US-10-237-859-3	Sequence 3, Appl1
22	118.6	23.7	1598	12	US-10-108-260A-2105	Sequence 2105, Ap
23	118.4	23.7	17752	10	US-09-748-127-3	Sequence 3, Appl1
24	118.4	23.7	465237	10	US-09-933-667A-1	Sequence 1, Appl1
25	118.2	23.6	5159	10	US-09-764-877-3707	Sequence 3707, Ap
26	118.2	23.6	5441	12	US-10-242-355-701	Sequence 701, App
27	118.2	23.6	6834	11	US-09-764-891-8002	Sequence 8002, Ap
28	118.2	23.6	6834	15	US-10-091-438-263	Sequence 263, App
29	118	23.6	1115	11	US-09-764-872-943	Sequence 943, App
30	118	23.6	1115	11	US-09-764-872-944	Sequence 944, App
31	118	23.6	113585	12	US-10-188-470-12	Sequence 12, Appl
32	117.6	23.5	6186	9	US-09-764-860-1075	Sequence 1075, Ap
33	117.6	23.5	6186	13	US-10-212-872-1075	Sequence 1075, Ap
34	117.6	23.5	6186	15	US-10-074-095-1075	Sequence 1075, Ap
35	117.2	23.4	433	9	US-09-795-668-1404	Sequence 1404, Ap
36	117.2	23.4	433	9	US-09-795-668-1404	Sequence 1404, Ap
37	117.2	23.4	433	10	US-09-946-807-1404	Sequence 1404, Ap
38	117	23.4	54000	13	US-09-843-377-11	Sequence 11, Appl
39	116.8	23.4	2295	11	US-09-764-891-7825	Sequence 7825, Ap
40	116.4	23.3	5426	9	US-09-798-029-7	Sequence 7, Appl1
41	116.2	23.2	136328	13	US-10-101-510-127	Sequence 127, App
42	116	23.2	6191	9	US-09-764-860-1076	Sequence 1076, Ap
43	116	23.2	6191	9	US-09-764-860-1076	Sequence 1076, Ap
44	116	23.2	6191	13	US-10-212-872-1076	Sequence 1076, Ap
45	116	23.2	6191	13	US-10-212-872-1077	Sequence 1077, Ap

ALIGNMENTS

RESULT 1
US-09-988-626-28
Sequence 28, Application US/09988626
Publication No. US20030044959A1
GENERAL INFORMATION:
APPLICANT: Tavistigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988, 626
PRIOR FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564, 805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107, 468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434, 382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (910)..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
OTHER INFORMATION: exon 6: 5582-5550; exon 7: 7075-7184; exon 8:
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
NAME/KEY: misc_feature
LOCATION: (13756)..(22917)
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon

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OTHER INFORMATION: 13: 16278-16416; exon 14:16498-16583; exon 15:
OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc.feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24433; exon 23:
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 22180 is G or C; y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16331, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is t or tgatc; r at
OTHER INFORMATION: positions 22211 and 22879 is A or G.
US-09-988-626-28

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Db	61	TTTACACATAGAAAGCTGAGGCTCTGAGAGTCAAGATCAGCAGCTTACAAATGAGCC	120
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Db	421	CTCAATATCAATTGATTTCCCTCAATTTAATTCCTCAACCACTAACCAACCTCTAAATC	480
Qy	481	AAGCTCTGAGGAGCTGACGT 500	
Db	481	AAGCTCTGAGGAGCTGACGT 500	

RESULT 2
 US-09-988-687-28
 Sequence 28, Application US/09988687
 Publication No. US2003045704A1
 GENERAL INFORMATION:
 APPLICANT: Tavligian, Sean V.
 APPLICANT: Teng, David H.F.
 APPLICANT: Simard, Jacques
 APPLICANT: Kommens, Johanna M.
 APPLICANT: Myriad Genetics, Inc.
 TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
 FILE REFERENCE: 2318-258
 CURRENT APPLICATION NUMBER: US/09/988,687
 CURRENT FILING DATE: 2001-11-20

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PRIORITY APPLICATION NUMBER: 09/564,805
PRIORITY FILING DATE: 2000-05-05
PRIORITY APPLICATION NUMBER: US 60/107,468
PRIORITY FILING DATE: 1998-11-06
PRIORITY APPLICATION NUMBER: 09/434,382
PRIORITY FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (910)..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1136-1786; exon 3:
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
OTHER INFORMATION: 816-552-5550; exon 7: 7075-7194; exon 8:
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
OTHER INFORMATION: 13032-13104;
NAME/KEY: misc_feature
LOCATION: (13156)..(122917)
OTHER INFORMATION: exon 11: 13756-13668; exon 12: 15293-15378; exon
OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc_feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is c or tgat; r at
OTHER INFORMATION: positions 22211 and 23879 is A or G.
US-09-988-687-28

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Query	March	Similarity	100.0%	Score	500:	DB	11:	Length	26664:
Best	Local	Similarity	100.0%	Prod.	No.	9,4e-132:			
Matches	500:	Conservative	0:	Mismatches	0:	Indels	0:	Gaps	0:
QY	1	TATCAGGTGACGTAAATCTATATATTTCTGAAGTAGAGATATCTGTATTGCTGTATTACAT	60						
Db	1	TATCAGGTGACGTAAATCTATATATTTCTGAAGTAGAGATATCTGTATTGCTGTATTACAT	60						
QY	61	TTTACACATTAAGAAAGCTGAGAGCTCTGAGAGGTAAAGATCAAGCGAGCTTAACAAATGAGCC	120						
Db	61	TTTACACATTAAGAAAGCTGAGAGCTCTGAGAGGTAAAGATCAAGCGAGCTTAACAAATGAGCC	120						
QY	121	AAGACTCTTGCTTTAGAGCTTGCTCTCTATTTCTTGCTTTTCTTTCCAAAACAACTACAA	180						
Db	121	AAGACTCTTGCTTTAGAGCTTGCTCTCTATTTCTTGCTTTTCTTTCCAAAACAACTACAA	180						
QY	181	TTTTTGTTTTGTTTTGTTTTGTTTTGAGACAGGGGTCTGAGAGTGCACCCAGGCTGAGAT	240						
Db	181	TTTTTGTTTTGTTTTGTTTTGTTTTGAGACAGGGGTCTGAGAGTGCACCCAGGCTGAGAT	240						
QY	241	GCAGTGGCGCAGATTTGCACTACCGGCAACTCCGCTCGCGCTTAAAGCAATTTCTCTGC	300						
Db	241	GCAGTGGCGCAGATTTGCACTACCGGCAACTCCGCTCGCGCTTAAAGCAATTTCTCTGC	300						
QY	301	CTCAGCTTCCCAAGTAGCTGGGACATAAGCTCGGGGACACACGTAATAAATGATCAAGTT	360						
Db	301	CTCAGCTTCCCAAGTAGCTGGGACATAAGCTCGGGGACACACGTAATAAATGATCAAGTT	360						
QY	361	CTAACATGTATGCAATACCAATTTACCAATGGAATAAATTTAGCAAGCGCTTATGCTAAATG	420						
Db	361	CTAACATGTATGCAATACCAATTTACCAATGGAATAAATTTAGCAAGCGCTTATGCTAAATG	420						
QY	421	CTCAATACAAATGATTTCTCTCAATTTATCTCTCAACACACTAACCAACCTCTAACTC	480						

Db	421	CTCAATACCAATTGATTTTCTCACAATTTAATCTCACAACCACTACACGACTTAATCTC	480
Qy	481	AAAGCTGAGGACTGACGT	500
Db	481	AAAGCTGAGGACTGACGT	500

RESULT 3

US-09-988-686-28
; Sequence 28, Application US/09988686
; Publication No. US20030120052A1

```

GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H. F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Farnol and Orthologous Genes
FILE REFERENCE: 2318-238
CURRENT APPLICATION NUMBER: US/09/988,686
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/334,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28

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LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (910)..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
NAME/KEY: misc_feature
LOCATION: (13756)..(22917)
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc_feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at
OTHER INFORMATION: positions 22211 and 23879 is A or G.

```

Query Match	100.0%	Score 500	DB 11	Length 26664
Best Local Similarity	100.0%	Pred. No. 9.4e-132		
Matches 500	0	Mismatches 0	Indels 0	Gaps 0
Conservative				

QY 1 TATCAGGTGCTAAATTCATATTTGGAATGGAGATCTGTATATCTGTATTTTCAT 60

Db 1 TATCAGGTGCTAAATTCATATTTGGAATGGAGATCTGTATATCTGTATTTTCAT 60

QY 61 TTTCACATATAGAAAGCTGAGCGCTGGAAGGTCGAAGATCACGCACTAACAAATGAGCC 120

Db	61	TTTACACATAAGAAAGCTGAGGCTCTGAGAGGTCAAGATCACGCAAGCTAAACAAATTGAGCC	120
Oy	121	AAGACTCTTGCTTTAGACTGTCTCTATTTCTTGCTTTCTTTCCAAAAAACATCAACA	180
Db	121	AAGACTCTTGCTTTAGACTGTCTCTATTTCTTGCTTTCTTTCCAAAAAACATCAACA	180
Oy	181	TTTTTGTTTTGTTTTGTTTTGTTTTGAAACAGGGCTCGAGGTGTCACCCAAGCTGGAAAT	240
Db	181	TTTTTGTTTTGTTTTGTTTTGTTTTGAAACAGGGCTCGAGGTGTCACCCAAGCTGGAAAT	240
Oy	241	GCAGTGGCGCAATTTGCACTACACGCAACCTCCGCTCCGCGCTTAAAGGATTTCTCTGC	300
Db	241	GCAGTGGCGCAATTTGCACTACACGCAACCTCCGCTCCGCGCTTAAAGGATTTCTCTGC	300
Oy	301	CTCAGCCCTCCCAAGTAGCTGGGACATACAAGCTCGGGACACACGTAAATAATGATCAAGTT	360
Db	301	CTCAGCCCTCCCAAGTAGCTGGGACATACAAGCTCGGGACACACGTAAATAATGATCAAGTT	360
Oy	361	CTAACATGTATGCATACGAATTACAAATGAGAAATAAATTAGCAAAAGCGCTTAGCTAATG	420
Db	361	CTAACATGTATGCATACGAATTACAAATGAGAAATAAATTAGCAAAAGCGCTTAGCTAATG	420
Oy	421	CTCAATACAAATTGATTTCTCTCAATTTATCTCTCAACAACCTCTTAAGT	480
Db	421	CTCAATACAAATTGATTTCTCTCAATTTATCTCTCAACAACCTCTTAAGT	480
Oy	481	AAGCTCTGAGGAACTGACGT	500
Db	481	AAGCTCTGAGGAACTGACGT	500

RESULT 4

US-10-027-632-275434/C
; Sequence 275434, Application US/10027632
; Publication No. US20030204075A9
; Pub. No. 20030204075A9

```

1  GENERAL INFORMATION:
2  APPLICANT: Wang, David G.
3  TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
4  TITLE OF INVENTION: Polymorphisms in the Human Genome
5  FILE REFERENCE: 108827.129
6  CURRENT APPLICATION NUMBER: US/10/027,632
7  CURRENT FILING DATE: 2002-04-30
8  PRIOR APPLICATION NUMBER: US 60/218,006
9  PRIOR FILING DATE: 2000-07-12
10 PRIOR APPLICATION NUMBER: US 60/198,676
11 PRIOR FILING DATE: 2000-04-20
12 PRIOR APPLICATION NUMBER: US 60/193,483
13 PRIOR FILING DATE: 2000-03-29
14 PRIOR APPLICATION NUMBER: US 60/185,218
15 PRIOR FILING DATE: 2000-02-24
16 PRIOR APPLICATION NUMBER: US 60/167,363
17 PRIOR FILING DATE: 1999-11-23
18 PRIOR APPLICATION NUMBER: US 60/156,358
19 PRIOR FILING DATE: 1999-09-28
20 PRIOR APPLICATION NUMBER: US 60/146,002
21 PRIOR FILING DATE: 1999-08-09
22 NUMBER OF SEQ ID NOS: 325720
23 SOFTWARE: FastSeq for Windows Version 4.0
24 SEQ ID NO 275434
25 LENGTH: 584
26 TYPE: DNA
27 ORGANISM: Human
28 US-10-027-632-275434

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Query Match	25.1%	Score 125.4	DB 13	Length 584
Best Local Similarity	81.4%	Pred. No. 17e-25		
Matches 144; Conservative	1	Mismatches 32	Indels 0	Gaps 0

[illegible]

Db 366 AGTACAGTGCACGATCTGGCTCACTGCAGAGTCCGCTCCAGGTTCAAGCAATTCTCC 307
 298 TGCCTCAGCTCCCAAGTAGCTGGGACTCAAGCTCGGAGCACCAAGTAAATGAT 354
 Db 306 TGCCCAAGCTCCCAAGTAGCTGGGACTCAAGAGCACCGGACCAAGCGCGAGTAAT 250

RESULT 5
US-10-027-632-275434/c
; Sequence 275434, Application US/10027632

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TITLE OR INVENTION: Identification and Mapping of Single Nucleotide
FILE REFERENCE: 108827.129
CURRENT FILING DATE: 2002-04-30
PRIORITY APPLICATION NUMBER: US/10/027,632
PRIORITY FILING DATE: 2000-07-12
PRIORITY APPLICATION NUMBER: US 60/198,676
PRIORITY FILING DATE: 2000-04-20
PRIORITY APPLICATION NUMBER: US 60/193,483
PRIORITY FILING DATE: 2000-03-29
PRIORITY APPLICATION NUMBER: US 60/185,218
PRIORITY FILING DATE: 2000-02-24
PRIORITY APPLICATION NUMBER: US 60/167,363
PRIORITY FILING DATE: 1999-11-23
PRIORITY APPLICATION NUMBER: US 60/156,358
PRIORITY FILING DATE: 1999-09-28
PRIORITY APPLICATION NUMBER: US 60/146,002
PRIORITY FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 275434
LENGTH: 584
TYPE: DNA
ORGANISM: Human
US-10-027-632-275434

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Query Match Similarity      25.1%; Score 125.4; DB 14; Length 584;
Best Local Similarity      81.4%; Pred No. 1.7e-25;
Matches 144; Conservative   1; Mismatches 32; Indels    0; Gaps    0

Oy      178 CAATTTTGTATTGTTTTGTTTTGTTTTGAGACAGGGTCCTCGAGGTGTCACCAGACTTG 237
          |||
Db       426 CAAATTTGTTTTTCTTTTTTGTGTTTGTGAGACAAGTCTCGCTGTGCACCAGACTTG 367

Oy      238 AGTGAGTGGGCGCGATTTCGAATCACCGAACCCTCGCTCGAGCCTTAAGGATTTC 297
          |||
Db       366 AGTAGAGTGGACGATCTCGGTCACTGCAACCTCGCTCCAGATTCAAGCATTTTC 307

Oy      298 TGCCCTCAGCCTCCCAAGTAGCTGGAGCTAACAGCTCGGAGACCAAGTAAAATGAT 354
          |||
Db       306 TGCCCCAGCTCTCCAAGTAGCTGGGAGCTAACAGACCCGCCACAYGCCACTAAT 250

RESULT 6
US-10-027-632-191961/c
; Sequence 191961, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; TITLE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483

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; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 191961
; LENGTH: 650
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-191961

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Query Match	24.4%	Score 121.8	DB 13	Length 650
Best Local Similarity	76.3%	Pred. No. 1.9e-24		
Matches 161, Conservative	1	Mismatches 48	Indels 1	Gaps 1

Qy	145	CTCATATCTTGCTTTCTTCCAAAACACATACATATTTGGTTGGTTGGTTT	204
Db	527	CTCTCTTCTTGAGCAATGACCAAGTAGTTTTTATTTTATTTTGGTTGGTTT	468
Qy	205	TGAGACAGGAGTCTCGAGTGTCACCAGGCTGGAGTGCATGGCGCATTCAC	264
Db	467	TGAGATGGAGTCACTGTCTGATCCAGGCTGGAGTGCATGGCACCATCTAG	408
Qy	265	GCAACTCCGACTCCGCGCTT-AAGCATTTCTCTGCTCAAGCTTCCCAAGTAGCGGA	323
Db	407	GCAACTCCACACTCCCGAGGTTCAMCGATTTCTCTGCTCAAGCTTCCCGAGTAGCGGA	348
Qy	324	CTACAAAGCTCGGGACACGATAAATAATGAT	354
Db	347	CTACAAAGTGTGCGCACACGCGCACTGAT	317

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RESULT 7
US-10-027-632-191961/c
; Sequence 191961, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 191961
; LENGTH: 650
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-191961

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Query Match	24.4%	Score	121.8	DB	14	Length	650
Best Local Similarity	76.3%	Pred. No.	1.9e-24				
Matches	161	Conservative	1	Mismatches	48	Indels	1
						Gaps	1

QY 145 CTCGATCTGCTTTCTTTCCAAAAACACTACAAATTTGTTGTTGTTGTTT 204
DB 527 CTCCTCTTGAGCAATGATACCAAGTAGTTTATTTATTTATTTGTTGTTT 468
QY 205 TGAACAGAGGCTCGAGGTGTACCCAGCTGAGTGTGAGTGGCCGATTGACTCAC 264
DB 467 TGAAGTGAAGTCTCACTGTACACCCAGCTGAGTGTGAGTGGCACTTATGCTCACT 408
QY 265 GCAACCTCGGCTCGGCGCTT-AAGCATTCCTCGCTCAGCTCCCAAGTAGCTGGGA 323
DB 407 GCAACTCTCAGCTCCAGGTTCAAGCATTTCTCTGCTCAGCTCCGAGTAGCTGGGA 348
QY 324 CTACAGCTCGGAGACCAACGTAATAATGAT 354
DB 347 CTACAGTGCCTGCCACCAACGCGCAGCTGAT 317

RESULT 8

US-09-939-581A-3
; Sequence 3, Application US/09939581A
; Patent No. US2002010245A1
; GENERAL INFORMATION:
; APPLICANT: Hermeking, Heiko
; APPLICANT: Vogelstein, Bert
; APPLICANT: Kinzler, Kenneth
; TITLE OF INVENTION: 14-3-3 SIGMA ARREST THE CELL CYCLE
; FILE REFERENCE: 1107.77810
; CURRENT FILING DATE: 2001-08-28
; PRIOR APPLICATION NUMBER: 09/210,748
; PRIOR FILING DATE: 1998-12-15
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 7680
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-939-581A-3

Query Match 24.1%; Score 120.4; DB 10; Length 7680;
Best Local Similarity 74.3%; Pred. No. 1.9e-23;
Matches 165; Conservative 0; Mismatches 56; Indels 1; Gaps 1;
QY 124 ACTCTGCTTAGAGCTTGCTCTATCTGCTTTCTTCCAAAAACACTACATTT 183
DB 5886 AGCTGATTCGAAAGATAGTCTATCTGATCTCATAGCAAAACATATATTAC 5945
QY 184 TTGTTTGTGTTGTTTGTGTTGAGACAGGCTGTGAGTGTGACCCAGGCTGAGTGCA 243
DB 5946 TTTTGTGTTGTTGTTTGTGTTGAGACGAGCTGTGCTGTGACCCAGGCTGAGTGCA 6005
QY 244 GTGGCGGATTTGCACTACCGCAACTCGGCTT-CCGCGCTTAAGCATTTCTGCTGCT 302
DB 6006 GTGGCGCATCTCGGCTACGCAACGTCCGCTCCGCGTTCAAGCATTTCTGCTGCT 6065
QY 303 CAGCTCCGAGTAGCTGGAGTACAGTGGGAGACACAG 344
DB 6066 CAGCTCCGAGTAGCTGGAGTACAGGAGTGGCACCAGT 6107

RESULT 9

US-10-059-579-102
; Sequence 102, Application US/10059579
; Publication No. US20030138783A1
; GENERAL INFORMATION:
; APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
; APPLICANT: SUKUMAR, Saraswati
; APPLICANT: EVRON, Ella
; APPLICANT: DOOLEY, William C.
; APPLICANT: DAVIDSON, Nancy
; APPLICANT: FACKLER, Mary Jo.
; TITLE OF INVENTION: ABBERRANTLY METHYLATED GENES AS MARKERS OF BREAST MALIGNANCY

; FILE REFERENCE: JHU1630-1
; CURRENT APPLICATION NUMBER: US/10/059,579
; CURRENT FILING DATE: 2003-02-03
; PRIOR APPLICATION NUMBER: US 09/771,357
; PRIOR FILING DATE: 2001-01-26
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 102
; LENGTH: 10034
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-059-579-102

Query Match 24.1%; Score 120.4; DB 13; Length 10034;
Best Local Similarity 74.3%; Pred. No. 2.2e-23;
Matches 165; Conservative 0; Mismatches 56; Indels 1; Gaps 1;

QY 124 ACTCTGCTTAGAGCTTGCTCTATCTGCTTTCTTCCAAAAACACTACATTT 183
DB 5886 AGCTGATTCGAAAGATAGTCTATCTGATCTCATAGCAAAACATATATTAC 5945
QY 184 TTGTTTGTGTTGTTTGTGTTGAGACAGGCTGTGAGTGTGACCCAGGCTGAGTGCA 243
DB 5946 TTTTGTGTTGTTGTTTGTGTTGAGACGAGCTGTGCTGTGACCCAGGCTGAGTGCA 6005
QY 244 GTGGCGGATTTGCACTACCGCAACTCGGCTT-CCGCGCTTAAGCATTTCTGCTGCT 302
DB 6006 GTGGCGCATCTCGGCTACGCAACGTCCGCTCCGCGTTCAAGCATTTCTGCTGCT 6065
QY 303 CAGCTCCGAGTAGCTGGAGTACAGTGGGAGACACAG 344
DB 6066 CAGCTCCGAGTAGCTGGAGTACAGGAGTGGCACCAGT 6107

RESULT 10

US-09-795-668-1
; Sequence 1, Application US/09795668
; Patent No. US2002004577A1
; GENERAL INFORMATION:
; APPLICANT: Steinfason, Hreinn
; APPLICANT: Steinhofredottir, Valgerdur
; APPLICANT: Guiche, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2004-001
; CURRENT APPLICATION NUMBER: US/09/795,668
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,716
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1503841
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1531)
; OTHER INFORMATION: r-g or a
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1531)
; OTHER INFORMATION: y=t/u or c
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1531)
; OTHER INFORMATION: m=a or c
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1531)
; OTHER INFORMATION: k=g or t/u
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1531)
; OTHER INFORMATION: s=g or c
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1531)
; OTHER INFORMATION: w=a or t/u

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? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: misc.feature
? LOCATION: (1) .. (1531)
? OTHER_INFORMATION: r-g or a
? NAME/KEY: misc.feature
? LOCATION: (1) .. (1531)
? OTHER_INFORMATION: y-c/u or c
? NAME/KEY: misc.feature
? LOCATION: (1) .. (1531)
? OTHER_INFORMATION: m-a or c
? NAME/KEY: misc.feature
? LOCATION: (1) .. (1531)
? OTHER_INFORMATION: k-g or c/u
? NAME/KEY: misc.feature
? LOCATION: (1) .. (1531)
? OTHER_INFORMATION: s-g or c
? NAME/KEY: misc.feature
? LOCATION: (1) .. (1531)
? OTHER_INFORMATION: w-a or c/u

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1 LENGTH: 1503841
2 TYPE: DNA
3 ORGANISM: Homo sapiens
4 FEATURE:
5 NAME/KEY: misc_feature
6 LOCATION: (1) .. (1551)
7 OTHER INFORMATION: r=9 or a
8 FEATURE:
9 NAME/KEY: misc_feature
10 LOCATION: (1) .. (1551)
11 OTHER INFORMATION: y=c/u or c
12 FEATURE:
13 NAME/KEY: misc_feature
14 LOCATION: (1) .. (1551)
15 OTHER INFORMATION: k=g or t/u
16 FEATURE:
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OM nucleic - nucleic search, using SW model

Run on: January 13, 2004, 16:08:41 ; Search time 180.152 seconds
(without alignments)
7247.291 Million cell updates/sec

Title: US-09-434-382-3

Perfect score: 2958

Sequence: 1 CGCGGCGTGAAGTACCGGC.....aataaagatgattgca 2958

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2958	100.0	2958	4	US-09-564-805-3
2	2874.4	97.2	2908	4	US-09-564-805-223
3	2819.6	95.3	2892	4	US-09-564-805-225
4	2481	83.9	2481	4	US-09-564-805-1
5	1645.6	55.6	2470	4	US-09-564-805-221
6	657.2	22.2	2664	4	US-09-564-805-28
7	655	22.1	655	4	US-09-564-805-27
8	297.4	10.1	350	4	US-09-564-805-210
9	295	10.0	295	4	US-09-564-805-4
10	237	8.0	238	3	US-09-328-111-315
11	145	4.9	145	4	US-09-564-805-26
12	139	4.7	139	4	US-09-564-805-16
13	139	4.7	139	4	US-09-564-805-20
14	121	4.1	121	4	US-09-564-805-24
15	120	4.1	120	4	US-09-564-805-10
16	119	4.0	119	4	US-09-564-805-18
17	118.4	4.0	326	4	US-09-564-805-212
18	113	3.8	113	4	US-09-564-805-14
19	110	3.7	110	4	US-09-564-805-22
20	100	3.4	100	4	US-09-564-805-23
21	97	3.3	97	4	US-09-564-805-19
22	96	3.2	96	4	US-09-564-805-15
23	86	2.9	86	4	US-09-564-805-17
24	79	2.7	79	4	US-09-564-805-25
25	73	2.5	73	4	US-09-564-805-13
26	71	2.4	71	4	US-09-564-805-6
27	69	2.3	69	4	US-09-564-805-9

28	65	2.2	65	4	US-09-564-805-7	Sequence 7, Appli
29	59	2.0	59	4	US-09-564-805-11	Sequence 11, Appli
30	59	2.0	59	4	US-09-564-805-12	Sequence 12, Appli
31	58.4	2.0	2517	3	US-09-315-794-51	Sequence 51, Appli
32	58.4	2.0	2517	3	US-09-389-341-51	Sequence 51, Appli
33	58	2.0	58	4	US-09-564-805-8	Sequence 8, Appli
34	51	1.7	51	4	US-09-564-805-5	Sequence 5, Appli
35	48.6	1.6	4411529	3	US-09-103-840A-1	Sequence 1, Appli
36	48.2	1.6	1926	4	US-09-249-585A-2	Sequence 2, Appli
37	48.2	1.6	1926	4	US-09-410-399-3	Sequence 3, Appli
38	48.2	1.6	2580	3	US-09-050-863-2	Sequence 2, Appli
39	48.2	1.6	2580	4	US-09-359-081-2	Sequence 2, Appli
40	48.2	1.6	5452	2	US-09-130-114-1	Sequence 1, Appli
41	48.2	1.6	8705	4	US-09-647-344A-14	Sequence 14, Appli
42	48.2	1.6	9600	3	US-08-910-647-1	Sequence 1, Appli
43	48.2	1.6	9600	4	US-09-620-925-1	Sequence 1, Appli
44	48.2	1.6	10596	1	US-07-884-811-15	Sequence 15, Appli
45	48.2	1.6	10596	1	US-07-885-971-15	Sequence 15, Appli

ALIGNMENTS

RESULT 1
US-09-564-805-3
; Sequence 3, Application US/09564805
; Patent No. 633403
; GENERAL INFORMATION:
; APPLICANT: Tarrigan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564, 805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2958
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (51)-(2531)
; OTHER INFORMATION: coding sequence as in SEQ ID NO:1
US-09-564-805-3
Query Match 100.0%; Score 2958; DB 4; Length 2958;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2958; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CGCGGCGTGAAGTACCGGCGCTTTCTCAAGTTTGTGAGACGGCGCATGTGGCGC 60
DB 1 CGCGGCGTGAAGTACCGGCGCTTTCTCAAGTTTGTGAGAGACGGCGCATGTGGCGC 60
QY 61 TTGGTCTGCTCTGCGGTGCGCGCGGACGACCATGTGCGAGGACGACCATATGCG 120
DB 61 TTGGTCTGCTCTGCGGTGCGCGCGGACGACCATGTGCGAGGACGACCATATGCG 120
QY 121 AGGACCGCGCGCGCGCGAGCGCGCGCAAGACCCGCTCGGACCTGGCGACGCGAG 180
DB 121 AGGACCGCGCGCGCGCGAGCGCGCGCGCAAGACCCGCTCGGACCTGGCGACGCGAG 180
QY 181 AGAAGCGCGACCGTGGGCTGCTTCGCGCGGCGCAACCGGTGATCTGCAAGTGTGG 240
DB 181 AGAAGCGCGACCGTGGGCTGCTTCGCGCGGCGCAACCGGTGATCTGCAAGTGTGG 240

OY	241	CAGCGGGATGACCCGGGACTCTGGGCGCCGCGCTCTACGTCTTCTCCGAGTTCAACCGGTATC	300
Db	241	CAGCGGGATGACCGGGACTCGGGCGCGCGCTCTACGTCTTCTCCGAGTTCAACCGGTATC	300
OY	301	TCTTCAACTGTGGAGGAAGCGGCTTCAGAGACTCATGCAAGGACACAAAGTTAAAGTTCTC	360
Db	301	TCTTCAACTGTGGAGGAAGCGGCTTCAGAGACTCATGCAAGGACACAAAGTTAAAGTTCTC	360
OY	361	GCCTGACAAATATTTCTTGAACGAAATGCACTGGTCTAATGTTGGGGGCTTAAAGTGA	420
Db	361	GCTTGACAAATATTTCTTGAACGAAATGCACTGGTCTAATGTTGGGGGCTTAAAGTGA	420
OY	421	TGATTTCTTACTTTAAAGGAAACCGGGCTTCCAAAGTGTATCTTTCTGSACTTCAAC	480
Db	421	TGATTTCTTACTTTAAAGGAAACCGGGCTTCCAAAGTGTATCTTTCTGSACTTCAAC	480
OY	481	TGGAATAATACCTGGAAGCAATCAAAATATTTTCTGTCTCAATGAAGAAATGAACCTGG	540
Db	481	TGGAATAATACCTGGAAGCAATCAAAATATTTTCTGTCTCAATGAAGAAATGAACCTGG	540
OY	541	CTGTGCGGCCCCACTCTGCCCCAGAAATACAGAGATGAACCATATACATTTCACAGATCC	600
Db	541	CTGTGCGGCCCCACTCTGCCCCAGAAATACAGAGATGAACCATATACATTTCACAGATCC	600
OY	601	CCATACACAGTGAACAGAGAGGGGAAAGCAACCAATGGCAGAGTCCAGAAAGGCTTC	660
Db	601	CCATACACAGTGAACAGAGAGGGGAAAGCAACCAATGGCAGAGTCCAGAAAGGCTTC	660
OY	661	TCAGACAGGCTCAGTCCACAGAGGACTTTAGACTCCGATCTCAATGAATATAGCAACCC	720
Db	661	TCAGACAGGCTCAGTCCACAGAGGACTTTAGACTCCGATCTCAATGAATATAGCAACCC	720
OY	721	TTCCACATGTGTATGCGCAGAGAAAGGGGACAGGGACTCTTCCCTGGTCTGACTTTCA	780
Db	721	TTCCACATGTGTATGCGCAGAGAAAGGGGACAGGGACTCTTCCCTGGTCTGACTTTCA	780
OY	781	TCTGTAGCTTCACTTAAAGAGAGGAACTTCTTGTCCTCAAGCAAGAGAGATGGGCC	840
Db	781	TCTGTAGCTTCACTTAAAGAGAGGAACTTCTTGTCCTCAAGCAAGAGAGATGGGCC	840
OY	841	TCCCACTTGGGACAGCTGCCATCGCTCCCATCATTTGCTGCTGTCAAGACGGGAAAAAGCA	900
Db	841	TCCCACTTGGGACAGCTGCCATCGCTCCCATCATTTGCTGCTGTCAAGACGGGAAAAAGCA	900
OY	901	TCACATCAAGAAAGAGAGAAATTTGGCTGGAAGCTGTGATCTCTCAGATCTGGTG	960
Db	901	TCACATCAAGAAAGAGAGAAATTTGGCTGGAAGCTGTGATCTCTCAGATCTGGTG	960
OY	961	CTGCTTTTGTGTGTAGAAATGTCCAGATGAAGGCTTCATTCAAACCATCTGTAGAAATG	1020
Db	961	CTGCTTTTGTGTGTAGAAATGTCCAGATGAAGGCTTCATTCAAACCATCTGTAGAAATG	1020
OY	1021	CCACCTTTCAAGGTACCAAGGAAAGGCAATGCCCGTGGCTTGTGTTCAATGG	1080
Db	1021	CCACCTTTCAAGGTACCAAGGAAAGGCAATGCCCGTGGCTTGTGTTCAATGG	1080
OY	1081	CCCCAGCACTGTGTGTGTGGAACACACAGTACACACATGTGATGGAAGGTTGGGCGCTG	1140
Db	1081	CCCCAGCACTGTGTGTGTGGAACACACAGTACACACATGTGATGGAAGGTTGGGCGCTG	1140
OY	1141	ACACCCAGCACTTGTGTCTGATGAATGAAGCTGTGCTCAGTTCAACACTTGGACGCCACA	1200
Db	1141	ACACCCAGCACTTGTGTCTGATGAATGAAGCTGTGCTCAGTTCAACACTTGGACGCCACA	1200
OY	1201	AGATTCAAAACCAAGTCAAACTCATCCACCGGACATCTTCCCGCTGCTCAACAGTTTCC	1260
Db	1201	AGATTCAAAACCAAGTCAAACTCATCCACCGGACATCTTCCCGCTGCTCAACAGTTTCC	1260
OY	1261	GCTGTAAAGAGAGGGGCCCAACCTCTCAGATGTGCCCATGTGTTCAAGGTAAATGCTCTCTCA	1320
Db	1261	GCTGTAAAGAGAGGGGCCCAACCTCTCAGATGTGCCCATGTGTTCAAGGTAAATGCTCTCTCA	1320
OY	1261	GCTGTAAAGAGAGGGGCCCAACCTCTCAGATGTGCCCATGTGTTCAAGGTAAATGCTCTCTCA	1320

QY	1321	AGTACCGAGCTCCGCTCCAGAGAGAGGCTGGAGAGAGGTGCAATTATTACTTGGCAATCCTG	1380
Db	1321	AGTACCGAGCTCCGCTCCAGAGAGAGGCTGGAGAGAGGTGCAATTATTACTTGGCAATCCTG	1380
QY	1381	AGGAATTCATAGTTGAGAGGCGCTGACGTTCCCACTTCACAGACAGCGGTGACAGAGTACA	1440
Db	1381	AGGAATTCATAGTTGAGAGGCGCTGACGTTCCCACTTCACAGACAGCGGTGACAGAGTACA	1440
QY	1441	GGAGAGTGGCGCAGAGACGGCCCCAGCGCCAGAGAAAGAAAGAGTCAATCCCGAAATCA	1500
Db	1441	GGAGAGTGGCGCAGAGACGGCCCCAGCGCCAGAGAAAGAAAGAGTCAATCCCGAAATCA	1500
QY	1501	TCTTCCTTTGGAAACAGGGCTTGCCATCCCGAATGAAAGATTTGAAATGTGATGGCCACATTG	1560
Db	1501	TCTTCCTTTGGAAACAGGGCTTGCCATCCCGAATGAAAGATTTGAAATGTGATGGCCACATTG	1560
QY	1561	TCAACATTAAGCCCCCGAACACGCTCTGCTGTACTGTGACTGTGTGAGAGGCACATTTTGGCGAGC	1620
Db	1561	TCAACATTAAGCCCCCGAACACGCTCTGCTGTACTGTGACTGTGTGAGAGGCACATTTTGGCGAGC	1620
QY	1621	TGTGCGGTCAATTACGAGAGACCAAGGTGACAGAGGTCTGTGGCAACCTGTGCTGTGTGTTG	1680
Db	1621	TGTGCGGTCAATTACGAGAGACCAAGGTGACAGAGGTCTGTGGCAACCTGTGCTGTGTGTTG	1680
QY	1681	TGTGTCCACCTTGACACGCAATCAACACAGGGCTTGCCAAATATTTGCTGTGAGAGAAAC	1740
Db	1681	TGTGTCCACCTTGACACGCAATCAACACAGGGCTTGCCAAATATTTGCTGTGAGAGAAAC	1740
QY	1741	GGCGCTTGGGCACTTTTGGGAAAGCGCGCTTCAACCTTGTGTGTGTGTGACCCGCCAACGAC	1800
Db	1741	GGCGCTTGGGCACTTTTGGGAAAGCGCGCTTCAACCTTGTGTGTGTGTGACCCGCCAACGAC	1800
QY	1801	TCAAAGCTGTGGCTTCAGACAGTACCAACAACAGTGCAGAGAGTCTGTACACATCACTAGTA	1860
Db	1801	TCAAAGCTGTGGCTTCAGACAGTACCAACAACAGTGCAGAGAGTCTGTACACATCACTAGTA	1860
QY	1861	TGATTTCTGCCAAATGCTCTTCAGAAAGGGCTGAGATCTCAAGTCTGTGACGTGGAAAGAT	1920
Db	1861	TGATTTCTGCCAAATGCTCTTCAGAAAGGGCTGAGATCTCAAGTCTGTGACGTGGAAAGAT	1920
QY	1921	TGATCAGTGTGCTGTGGCAACATGTATTTGAAAGGTTTCAACCTGTATGGTGTGGGC	1980
Db	1921	TGATCAGTGTGCTGTGGCAACATGTATTTGAAAGGTTTCAACCTGTATGGTGTGGGC	1980
QY	1981	ACTGCAAGCATGCGTTTGGCTGTGTGCGGTGTGCACACCTGTGCGTGGAAAGTGTCTAATT	2040
Db	1981	ACTGCAAGCATGCGTTTGGCTGTGTGCGGTGTGCACACCTGTGCGTGGAAAGTGTCTAATT	2040
QY	2041	CCGGGAGACCATATGCCCTGTGCGAGGCTTGTTGCTCGGATGGGGAAAGATGCCACCTCTCTGA	2100
Db	2041	CCGGGAGACCATATGCCCTGTGCGAGGCTTGTTGCTCGGATGGGGAAAGATGCCACCTCTCTGA	2100
QY	2101	TACATGGAAGCCACCTGTGGAAGATGTGTTTGGAAAGGAAAGCAGTGTGAAAGAACACACAGCA	2160
Db	2101	TACATGGAAGCCACCTGTGGAAGATGTGTTTGGAAAGGAAAGCAGTGTGAAAGAACACACAGCA	2160
QY	2161	CAAGCTCCCAAGCCATCAGCGTGGGGAATGGGGATGGAACGGGGAATTCATTATGTGTGAAC	2220
Db	2161	CAAGCTCCCAAGCCATCAGCGTGGGGAATGGGGATGGAACGGGGAATTCATTATGTGTGAAC	2220
QY	2221	ACTTCAGCGAAGCGTATATGCCAAGGTCCCTCTTTCAGCGCCCACTTCAAGCAGAGAAAGTGG	2280
Db	2221	ACTTCAGCGAAGCGTATATGCCAAGGTCCCTCTTTCAGCGCCCACTTCAAGCAGAGAAAGTGG	2280
QY	2281	GAGTTTGCCTTTGACACATGGAAGGTGTGCTTTTGGAGCTTTCACAAATATGCCAAGCTGA	2340
Db	2281	GAGTTTGCCTTTGACACATGGAAGGTGTGCTTTTGGAGCTTTCACAAATATGCCAAGCTGA	2340
QY	2341	TTCCGCCCACTGAAAGCCCTGTTTCTGTGGCCGACATCGAGAGATGAGAGAGCGCAGGAGAGA	2400
Db	2341	TTCCGCCCACTGAAAGCCCTGTTTCTGTGGCCGACATCGAGAGATGAGAGAGCGCAGGAGAGA	2400
QY	2401	AGCGGAGACTGCGGACGGTGTGGGCGGCGCTCTGTTCACGGAGACTGGCAGCGGCTGTG	2460


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Db      2401  AGCGGAGACTGCGGAGGTGCGGGGCGGCTTCCTGTCACAGGAGCTGGAGCGCGCTAGG 2460
Qy      2461  AGGATGAGGAGGCTCAGCAGAAAGCGGCGCCACACAGAGAGCCACAGGCGAAAGATCA 2520
Db      2461  AGGATGAGGAGGCTCAGCAGAAAGCGGCGCCACACAGAGAGCCACAGGCGAAAGATCA 2520
Qy      2521  GAGCCCACTGAAGATCTGGAGAGACCCCTGAACTCAGAAAGCTGTGTCTTCTGCCCCAG 2580
Db      2521  GAGCCCACTGAAGATCTGGAGAGACCCCTGAACTCAGAAAGCTGTGTCTTCTGCCCCAG 2580
Qy      2581  CACGCACTGATCTGCTCTCTCTGCTGTGTAAGCTGAAGCAACGCTCCCCAGAGAG 2640
Db      2581  CACGCACTGATCTGCTCTCTCTGCTGTGTAAGCTGAAGCAACGCTCCCCAGAGAG 2640
Qy      2641  CAGCTCAGGATAGGATGATGAGAGCTGTCGAGGCTTGGGCTCCACATTAAGCACTAGT 2700
Db      2641  CAGCTCAGGATAGGATGATGAGAGCTGTCGAGGCTTGGGCTCCACATTAAGCACTAGT 2700
Qy      2701  CTATGATGCTCTTATGAGACTGTGCTGCTGCAACGCGCGGCGCAGAGGCTGCCACAG 2760
Db      2701  CTATGATGCTCTTATGAGACTGTGCTGCTGCAACGCGCGGCGCAGAGGCTGCCACAG 2760
Qy      2761  GAAGCAAGCAGATGAATTAATTTCAAGGCAAGTTTAAAGAAAGCTTGAAGAACG 2820
Db      2761  GAAGCAAGCAGATGAATTAATTTCAAGGCAAGTTTAAAGAAAGCTTGAAGAACG 2820
Qy      2821  ACGGCGGCACTTTCTCTCTATCCAGCAAGATTTCCCTGCAACACAGAGCAAGCA 2880
Db      2821  ACGGCGGCACTTTCTCTCTATCCAGCAAGATTTCCCTGCAACACAGAGCAAGCA 2880
Qy      2881  GTAACAGATCAGTGGTCTAAGTGTCCAGACTTAACGAAATATGATTTAGCTGCA 2940
Db      2881  GTAACAGATCAGTGGTCTAAGTGTCCAGACTTAACGAAATATGATTTAGCTGCA 2940
Qy      2941  TAAAGATTGAGTTGCCAA 2958
Db      2941  TAAAGATTGAGTTGCCAA 2958

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RESULT 2
US-09-564-805-223
; Sequence 223, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavligian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 223
; LENGTH: 2908
; TYPE: DNA
; ORGANISM: Pan troglodytes
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1) .. (2478)
US-09-564-805-223

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Query Match      97.2%; Score 2874.4; DB 4; Length 2908;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 2887; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

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Qy      51  ATGTGGGCGCTTTGCTGCTGCTGCGGTCCGCGCGGACGACCATGTGCGAGGAGCGC 110
Db      1  ATGTGGGCGCTTTGCTGCTGCTGCGGTCCGCGCGGACGACCATGTGCGAGGAGCGC 60
Qy      111  ACCATATGCAAGGACCCCGCCCGCGAGCGGCGCGCAAGAACCCGCTGCGCACTG 170
Db      61  ACCATATGCAAGGACCCCGCCCGCGAGCGGCGCGCAAGAACCCGCTGCGCACTG 120
Qy      171  CGCACGAGAGGAAGCGGAGCCGTCGAGGAGTCTCGGCGGCGCCAAACCGGTGACCTG 230
Db      121  CGCACGAGAGAGCGGAGCCGTCGAGGAGTCTCGGCGGCGCCAAACCGGTGACCTG 180
Qy      221  CAGGTGTGAGAGCGGAGTACCGGAGCTCGGAGCGCGGCTCTAGTCTTCTCCGAGTTC 290
Db      181  CAGGTGTGAGAGCGGAGTACCGGAGCTCGGAGCGCGGCTCTAGTCTTCTCCGAGTTC 240
Qy      291  AACCGGATCTCTTCACTGTGAGAGAGCGCTTCAAGACTCATGCAAGAGCAAGTTA 350
Db      241  AACCGGATCTCTTCACTGTGAGAGAGCAATTCAGAGACTCATGCAAGAGCAAGTTA 300
Qy      351  AAGGTGCTCGCGTGGAGCAATATTCCTGACAGAAATGCACTGCTAATGTGGGGGC 410
Db      301  AAGGTGCTCGCGTGGAGCAATATTCCTGACAGAAATGCACTGCTAATGTGGGGGC 360
Qy      411  TTAAGTGAATGATTTCTTACTTTAAAGGAAACCGGAGCTTCCAAAGTGTACTTTCTGGA 470
Db      361  TTAAGTGAATGATTTCTTACTTTAAAGGAAACCGGAGCTTCCAAAGTGTACTTTCTGGA 420
Qy      471  CCTCCAACTGTGAAAAATACCTCGAAGCAATCAAAATATTTCTGTGTCATTTGAAGGA 530
Db      421  CCTCCAACTGTGAAAAATACCTCGAAGCAATCAAAATATTTCTGTGTCATTTGAAGGA 480
Qy      531  ATAGAACTGCTGTCGCGGCGCCCACTCTGCCCCAGAAATGAGAGAAACCATGACAGTT 590
Db      481  ATAGAACTGCTGTCGCGGCGCCCACTCTGCCCCAGAAATGAGAGAAACCATGACAGTT 540
Qy      591  TACCAGATCCCCATACAGTGAACAGAGAGGAGGAAAGCAACCAATGCGAGAGTCCA 650
Db      541  TACCAGATCCCCATACAGTGAACAGAGAGGAGGAAAGCAACCAATGCGAGAGTCCA 600
Qy      651  GAAAGGCTCTTCAGAGGCTCAGTCAGAGCGATCTTCAGACTCCGAGTCAATGAATAAT 710
Db      601  GAAAGGCTCTTCAGAGGCTCAGTCAGAGCGATCTTCAGACTCCGAGTCAATGAATAAT 660
Qy      711  GAGCCACACTTCCACATGCTGTTAGCCAGAGAAAGGGGTCAAGGACTCTTCCCTGCTC 770
Db      661  GAGCCACACTTCCACATGCTGTTAGCCAGAGAAAGGGGTCAAGGACTCTTCCCTGCTC 720
Qy      771  GTAGCTTCATCTGTGAGCTTCACTTAAGAGAGGAACTTGGTGTCCAAAGCAAG 830
Db      721  GTAGCTTCATCTGTGAGCTTCACTTAAGAGAGGAACTTGGTGTCCAAAGCAAG 780
Qy      831  GAGATGAGGCTTCCAGTGGAGCAGCTCCATGCTCCATCATTTGCTGTCTCAAGAGC 890
Db      781  GAGATGAGGCTTCCAGTGGAGCAGCTCCATGCTCCATCATTTGCTGTCTCAAGAGC 840
Qy      891  GGGAAAAGCATCATCATGAGAAAGAAAGAGATTTGGCTGAAGAGCTGTACTCTTCCA 950
Db      841  GGGAAAAGCATCATCATGAGAAAGAAAGAGATTTGGCTGAAGAGCTGTACTCTTCCA 900
Qy      951  GATCCTGTGCTGCTTTTGGTGTGTAATGTCCAGATGAAGCTTCAATCAACCCATC 1010
Db      901  GATCCTGTGCTGCTTTTGGTGTGTAATGTCCAGATGAAGCTTCAATCAACCCATC 960
Qy      1011  TGTGAGAAATGCCACCTTTCAAGAGTACCAAGAAAGGAGATGCCCGGTGCTTGTGTG 1070
Db      961  TGTGAGAAATGCCACCTTTCAAGAGTACCAAGAAAGGAGATGCCCGGTGCTTGTGTG 1020
Qy      1071  GTTTCACATGCGCCCAAGCATCTGTGCTTGTGACACAGCAGTACACAGTGTGATGAGAG 1130
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1131 TTTGGGCGCTGACACCCAGCATTGTCCTGAATGAACTGCTCAGTTCAACAACCTT 1190
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1191 CGCAGCCACAAATTCACAAACCCAGCTCAACCTTCATCCACCCGGAACATCTTCCCTGCTC 1250
1141 CGCAGCCACAAATTCACAAACCCAGCTCAACCTTCATCCACCCGGAACATCTTCCCTGCTC 1200
1251 ACCAGTTTCGCTGAG 1310
1201 ACCAGTTTCGCTGAG 1260
1311 TGCCTCTCAAGTACCAAGCTCCGTCCTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1370
1261 TGCCTCTCAAGTACCAAGCTCCGTCCTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1320
1371 TGCATCTCTGAGAGATTCATAGTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1430
1321 TGCATCTCTGAGAGATTCATAGTTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1380
1431 CAGAGATACAG 1490
1381 CAGAGATACAG 1440
1491 CAGAGATACATCTCTCTGAG 1550
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1501 GCGACACTTGTCAATTAAGCCCGACAGCTCTGCTCTGAGAGAGAGAGAGAGAGAGAGAG 1560
1611 TTTGGGCGAGCTGCGCTGATTAACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1670
1561 TTTGGGCGAGCTGCGCTGATTAACGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1620
1671 GCTGTGTGTGTGCTCCACCTGACAGAGATCAACACAGAGAGAGAGAGAGAGAGAGAGAG 1730
1621 GCTGTGTGTGTGCTCCACCTGACAGAGATCAACACAGAGAGAGAGAGAGAGAGAGAGAG 1680
1731 CAG 1790
1681 CAG 1740
1791 CCGAACCAGCTCAAGAGCTGCTCCAGAGATCAACACAGAGAGAGAGAGAGAGAGAGAGAG 1850
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1851 CACATCAGATATGCTCTGCAAAATGCTTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1910
1801 CACATCAGATATGCTCTGCAAAATGCTTCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1860
1911 GTGGAAGAGATGATCAGTTGCTGTTGCAACATGATGATTTGGAAGAGTTTCAACCTGT 1970
1861 GTGGAAGAGATGATCAGTTGCTGTTGCAACATGATGATTTGGAAGAGTTTCAACCTGT 1920
1971 CTGAGCGGCGGACCTGCAAG 2030
1921 CTGAGCGGCGGACCTGCAAG 1980
2031 GTGAGTATTTCCGGGAGACCAATGCTCTGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2090
1981 GTGAGTATTTCCGGGAGACCAATGCTCTGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2040
2091 ACCCTCTGATACATGAAGCAACCTGGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2150
2041 ACCCTCTGATACATGAAGCAACCTGGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2100
2151 AACACAGAGACCAAGCTCCAG 2210
2101 AACACAGAGACCAAGCTCCAG 2160
2211 ATGCTGAACCACTTACGAG 2270

2161 ATGCTGAACCACTTACGAG 2220
2271 GAGAAAG 2330
2221 GAGAAAG 2280
2331 CCGAAGCTGATTTCCCACTGAAAGCCCTGTTGCTGAGAGAGAGAGAGAGAGAGAGAGAGAG 2390
2281 CCGAAGCTGATTTCCCACTGAAAGCCCTGTTGCTGAGAGAGAGAGAGAGAGAGAGAGAGAG 2340
2391 CGCAG 2450
2401 GCGAG 2400
2451 GCGAG 2510
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2511 AAG 2570
2461 AAG 2520
2571 CTGCCCCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 2630
2521 CTGCCCCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC 2580
2631 CCGCAG 2690
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2691 AAGCACTAGCTATAGATGCTCTTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2750
2641 AAGCACTAGCTATAGATGCTCTTAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2700
2751 CTGCAACAG 2810
2701 CTGCAACAG 2760
2811 TTGGAAG 2870
2761 TTGGAAG 2820
2871 GACAAGCAG 2930
2821 GACAAGCAG 2880
2931 TCAGCTGCAATTAAGATTTGCAAA 2958
2881 TCAGCTGCAATTAAGATTTGCAAA 2908

RESULT 3
US-09-564-805-225
; Sequence 225, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavrighian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johannes M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent Ver. 2.0

```

: SEQ ID NO 225
:
: LENGTH: 2892
:
: TYPE: DNA
:
: ORGANISM: Gorilla gorilla
:
: FEATURES:
:
: NAME/KEY: CDS
:
: LOCATION: (1)..(2478)
:
US-09-564-805-225

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Query Match	95.3%	Score	2819.6	DB	4	Length	2892
Best local similarity	98.5%	Pred. No.	0				
Matches 2863; Conservative	0	Mismatches	29	Indels	16	Gaps	1

QY	51	ATGAGGGGGCTTTGGTCCCTGCTGGGGGCTCCGGGCGCGAGCAACCATGTCGAGGAGACGC	110
Db	1	ATGAGGGGGCTTTGGTCCCTGCTGGGGGCTCCGGGCGCGAGCAACCATGTCGAGGAGACGC	60
QY	111	ACCATATTCGACAGGCAACCCGCCCGCGAGCGAGCGCGCAAGAACCTCGTGCAGCACTTG	170
Db	61	ACCATATTCGACAGGCAACCCGCCCGCGAGCGAGCGCGCAAGAACCCCGTGCAGCACTTG	120
QY	171	CGCAACGCGAAGAAAGCCGGGAGACCGGTCCGGGGTCTCCGGGGGCGCCAAACCCGTGTACCTG	230
Db	121	CGCAACGCGAAGAAAGCCGGGAGACCGGTCCGGGGTCTCCGGGGGCGCCAAACCCGTGTACCTG	180
QY	231	CAGGTGGTGGAGAGCCGGTAGCCGGGAGCTCCGGGCGCGCGGCTCTACGTCCTTCTCCGAGTTC	290
Db	181	CAGGTGGTGGAGAGCCGGGTAGCCGGGAGCTCCGGGCGCGCGGCTCTACGTCCTTCTCCGAGTTC	240
QY	291	AACCGGTATCTCTTCAACTGTGGAGAGGCGTTCAGAGACTCATGACGAGGAGCAACAATT	350
Db	241	AACCGGTATCTCTTCAACTGTGGAGAGGCGTTCAGAGACTCATGAGGAGGACCAAGTTA	300
QY	351	AAGGTGCTCCGCTCGAGCAACATATTTCTGACACAGATGCACTGGTCTATATGTTGGGGGC	410
Db	301	AAGGTGTTCCGCTCGAGCAACATATTTCTGACACAGATGCACTGGTCTATATGTTGGGGGC	360
QY	411	TTAAGTGAATGATCTTACTTAAAGGAAACGGGGCTTCCAAGGTGTACTTCTTGGA	470
Db	361	TTAAGTGAATGATCTTACTTAAAGGAAACGGGGCTTCCAAGGTGTACTTCTTGGA	420
QY	471	CCTCCACAACGTGAAAAATACCTCGAAGCAATCAAAATTTTCTGTGTCATTTGAAGA	530
Db	421	CCTCCACAACGTGAAAAATACCTCGAAGCAATCAAAATTTTCTGTGTCATTTGAAGA	480
QY	531	ATPAGACTGGGCTGTGCGGCCCACTCTGCCCCAGAAATACGAGATGAACCATGACAGTT	590
Db	481	ATPAGAACTGGGCTGTGCGGCCCACTCTGCCCCAGAAATACGAGATGAACCATGACAGTT	540
QY	591	TACCAAGATCCCATTCACAGTGAAGAAGAGAGGGGAAAGCAACCAACCATGGGAGATGCA	650
Db	541	TACCAAGATCCCATTCACAGTGAAGAAGAGAGGGGAAAGCAACCAACCATGGGAGATGCA	600
QY	651	GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCCATCTTCAGACTCCGAGTCCGATGATGAATAAT	710
Db	601	GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCCATCTTCAGACTCCGAGTCCGATGATGAATAAT	660
QY	711	GAGCCACACCTTTCACATGTGTGTAGCCAGAGAAGAGGGGTCAAGGACTCTTCTCGTGC	770
Db	661	GAGCCACACCTTTCACATGTGTGTAGCCAGAGAAGAGGGGTCAAGGACTCTTCTCGTGC	720
QY	771	GTAAGTTTCATCTGTAAAGCTTCACTTAAAGAGAGAAATCTTGTGTGCTCAAAAGCAAG	830
Db	721	GTAAGTTTCATCTGTAAAGCTTCACTTAAAGAGAGAAATCTTGTGTGCTCAAAAGCAAG	780
QY	831	GAGATGGGCTCCCAAGTGGAGACAGTGCATTCGCTCCATCATTTGCTCTGTCAAGAC	890
Db	781	GAGATGGGCTCCCAAGTGGAGACAGTGCATTCGCTCCATCATTTGCTCTGTCAAGAC	840
QY	891	GGGAAAGCATCATCTCATGAAGAAAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCA	950
Db	841	GGGAAAGCATCATCTCATGAAGAAAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCA	900

OY	951	GATCCTGATGCTGCTTTTGGGAGTGAGTATGTCACAATGAAGCTTCATTCACCATC	1010
Db	901	GATCTGATGCTGCTTTTGGTGTGTATGAATGTCTCAATGAAGCTTCATTCACCATC	960
OY	1011	TGTGAGATGTCACCTTTCAAGAGTACCAAGAAAGGCAGATGCCCCGTGTGCTTGATG	1070
Db	961	TGTGAGATGTCACCTTTCAAGAGTACCAAGAAAGGCAGATGCCCCGTGTGCTTGATG	1020
OY	1071	GTTCACTATGGCCCCAGCATCTGTGCTTGTGTGACACGACAGTATCCACAGTGTGATGGAAGG	1130
Db	1021	GTTCACTATGGCCCCAGCATCTGTGCTTGTGTGACACGACAGTATCCACAGTGTGATGGAAGG	1080
OY	1131	TTTGGGCGCTGACACCCAGCACTTGGTCTGTAAATGAGAACTGTGCTCAATTCAACACTT	1190
Db	1081	TTTGGGCGCTGACACCCAGCACTTGGTCTGTAAATGAGAACTGTGCTCAATTCAACACTT	1140
OY	1191	CGCAGCCACAAGATTCAAAACCCAGCTCAACCTCATCCACCAGCAATCTTCCCTGTCTC	1250
Db	1141	CGCAGCCACAAGATTCAAAACCCAGCTCAACCTCATCCACCAGCAATCTTCCCTGTCTC	1200
OY	1251	ACCAATTCCGCTGTAAAGAAAGAGAGGCCCCACCTCATGTGTGCCATGTTCAAGGCTGA	1310
Db	1201	ACCAATTCCGCTGTAAAGAAAGAGAGGCCCCACCTCATGTGTGCCATGTTCAAGGCTGA	1260
OY	1311	TGCTCTCTCAAGTACCAAGCTCCGTCACAGAGGAGGAGGAGGAGTGTCAATTATACT	1370
Db	1261	TGCTCTCTCTCAAGTACCAAGCTCCGTCACAGAGGAGGAGGAGTGTCAATTATCACT	1320
OY	1371	TGCAATCTCTGAGAAATTCATAGTTGAGGCGCTGAGCTTCCCACTTCACAGAGGCGTG	1430
Db	1321	TGCAATCTCTGAGAAATTCATAGTTGAGGCGCTGAGCTTCCCACTTCACAGAGGCGTG	1380
OY	1431	CAGGAGTACAGAGAGAGTGGCAGAGCGGCCACGCCACAGACAGAAAGAAAGTCAAGTAC	1490
Db	1381	CAGGAGTACAGAGAGAGTGGCAGAGCGGCCACGCCACAGACAGAAAGAAAGTCAAGTAC	1440
OY	1491	CCAGAAATTCATCTCTCTTGGAAACAGGGCTGTGCCATCCCAATGAAGATTCCAAATGTCAGT	1550
Db	1441	CCAGAAATTCATCTCTCTTGGAAACAGGGCTGTGCCATCCCAATGAAGATTCCAAATGTCAGT	1500
OY	1551	GCCACACTTGTCAACATATAGCCCCGACACGCTCTGTCTACTGTGACTGTGGTAGAGGACACA	1610
Db	1501	GCCACACTTGTCAACATATAGCCCCGACACGCTCTGTCTACTGTGACTGTGGTAGAGGACAG	1560
OY	1611	TTTGGGCGAGCTGTGCGGTCATTACGAGAGCCAGGTGACAGGGTCTGTGGGCAACCTTGACT	1670
Db	1561	TTTGGGCGAGCTGTGCGGTCATTACGAGAGCCAGGTGACAGGGTCTGTGGGCAACCTTGACT	1620
OY	1671	GCTGTGTTTGTGTCCCACTGTGCACAGCAATCAACAACCGGGCTTGGCCAAGTATTTTGCTG	1730
Db	1621	GCTGTGTTTGTGTCCCACTGTGCACAGCAATCAACAACCGGGCTTGGCCAAGTATTTTGCTG	1680
OY	1731	CAGAGAGACGCGCGCTTGGCATCTTTTGGGAAAGCGGCTTCAACCTTGTGTGTGTTGGCT	1790
Db	1681	CAGAGAGACGCGCGCTTGGCATCTTTTGGGAAAGCGGCTTCAACCTTGTGTGTGTTGGCT	1740
OY	1791	CCCAACCAAGCTCAAAAGCGTGTCTTCACAGAGTACCAACAACAGTGCACAGAGGTTCTTGCAC	1850
Db	1741	CCCAACCAAGCTCAAAAGCGTGTCTTCACAGAGTACCAACAACAGTGCACAGAGGTTCTTGCAC	1800
OY	1851	CACATCAAGTATGATCTCTGCGCAATGCTCTTCAGAAAGGGGCTGAGATCTCAAGTCTGTGCA	1910
Db	1801	CACATCAAGTATGATCTCTGCGCAATGCTCTTCAGAAAGGGGCTGAGATCTCAAGTCTGTGCA	1860
OY	1911	GTCGAAAAGATTGATCAGTTCGCTGTGTGCAACATGTATTTGGAAGAGTTTCAGACTGT	1970
Db	1861	GTCGAAAAGATTGATCAGTTCGCTGTGTGCAACATGTATTTGGAAGAGTTTCAGACTGT	1920
OY	1971	CTGTGTGGGCGCATGTGCAAGCATGCGTTTGTGCTGTGTGTGCAACACTCTGTGGCTGGA	2030
Db	1921	CTGTGTGGGCGCATGTGCAAGCATGCGTTTGTGCTGTGTGTGCAACACTCTGTGGCTGGA	1980
OY	2031	GTCGTCTATTTCCGGGACACCATGCTCCCTGCGAGGCTCTGCTCCGATGGGGAAGATGCC	2090

QY 771 GTAGCTTTCATCTGTAGCTTCACTTAAGAGAGAACTTCTGTGCTCAAAAGCAAG 830
 Db 721 GTAGCTTTCATCTGTAGCTTCACTTAAGAGAGAACTTCTGTGCTCAAAAGCAAG 780
 QY 831 GAGATGGGCTCCCAAGTTGGGACAGCTCCATCGTCCCATCTTGTCTGTCAAGAC 890
 Db 781 GAGATGGGCTCCCAAGTTGGGACAGCTCCATCGTCCCATCTTGTCTGTCAAGAC 840
 QY 891 GGGAAAGCATCATCATGAAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCA 950
 Db 841 GGGAAAGCATCATCATGAAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCA 900
 QY 951 GATCTGTGTGTCTTTTGTGTGTGTAGATGTCCAGATGAAGCTTCATCAACCATC 1010
 Db 901 GATCTGTGTGTCTTTTGTGTGTGTAGATGTCCAGATGAAGCTTCATCAACCATC 960
 QY 1011 TGTGGAATGTCACCTTTCAAGAGTACCAAGAAAGGAGATGCCCCGTGCTTGTG 1070
 Db 961 TGTGGAATGTCACCTTTCAAGAGTACCAAGAAAGGAGATGCCCCGTGCTTGTG 1020
 QY 1071 GTTCAATAGGCCCCGACATCTGTGCTGTGACAGACAGTACAGAGTGTGAGAG 1130
 Db 1021 GTTCAATAGGCCCCGACATCTGTGCTGTGACAGACAGTACAGAGTGTGAGAG 1080
 QY 1131 TTTGGGCTTGAACCCAGACATTTGTCTGTATGAAGAACTGTGCTCACTTCAACCTT 1190
 Db 1081 TTTGGGCTTGAACCCAGACATTTGTCTGTATGAAGAACTGTGCTCACTTCAACCTT 1140
 QY 1191 CGAGGCCCAAGATTCAAAACCCAGCTCAACCTCATCCACCCGAGACATCTTCCCCTGCTC 1250
 Db 1141 CGAGGCCCAAGATTCAAAACCCAGCTCAACCTCATCCACCCGAGACATCTTCCCCTGCTC 1200
 QY 1251 ACCGTTTCCCTGTAAAGAGAGAGGCCCCACCCCTCACTGTGCTCATGTTTCAAGGTTAA 1310
 Db 1201 ACCGTTTCCCTGTAAAGAGAGAGGCCCCACCCCTCACTGTGCTCATGTTTCAAGGTTAA 1260
 QY 1311 TGCCCTCTCAAGTACAGCTCCGTCACAGAGAGAGTGGCAGAGGATGCCATTATTA 1370
 Db 1261 TGCCCTCTCAAGTACAGCTCCGTCACAGAGAGAGTGGCAGAGGATGCCATTATTA 1320
 QY 1371 TGCAATCTTGAAGAAATTCATAGTTAGAGGCTGACAGCTTCCCACTTCCAGACAGGCTG 1430
 Db 1321 TGCAATCTTGAAGAAATTCATAGTTAGAGGCTGACAGCTTCCCACTTCCAGACAGGCTG 1380
 QY 1431 CAGAGGTAAGAGAGAGAGTCCGAGAGACGCCCCAGCCCAAGAGAGAGAAAGATGATAC 1490
 Db 1381 CAGAGGTAAGAGAGAGAGTCCGAGAGACGCCCCAGCCCAAGAGAGAGAAAGATGATAC 1440
 QY 1491 CCAGAAATCATCTCTCTTGAAGACAGGATCTGTCATCCGATGAAGATTCGAAATGTCA 1550
 Db 1441 CCAGAAATCATCTCTCTTGAAGACAGGATCTGTCATCCGATGAAGATTCGAAATGTCA 1500
 QY 1551 GCCACACTTGTCAACATAAGCCCCAGACAGTCTGTGCTACTGAGCTGTGTAGAGGCA 1610
 Db 1501 GCCACACTTGTCAACATAAGCCCCAGACAGTCTGTGCTACTGAGCTGTGTAGAGGCA 1560
 QY 1611 TTTGGGCACTGTGCTGCTCATTAAGAGACAGAGTGAACAGGATCTGTGGCACTTGTGCT 1670
 Db 1561 TTTGGGCACTGTGCTGCTCATTAAGAGACAGAGTGAACAGGATCTGTGGCACTTGTGCT 1620
 QY 1671 GCTGTGTGTGTGCTCCACCTGACAGAGATCAACAGAGGCTTGTCCAAATCTTGTGCTG 1730
 Db 1621 GCTGTGTGTGTGCTCCACCTGACAGAGATCAACAGAGGCTTGTCCAAATCTTGTGCTG 1680
 QY 1731 CAGAGAGAACGCGCTTGGCATCTTTGGAAAGCCGCTTCACTTGTGTGTGTGCTG 1790
 Db 1681 CAGAGAGAACGCGCTTGGCATCTTTGGAAAGCCGCTTCACTTGTGTGTGTGCTG 1740
 QY 1791 CCCAACAGCTCAAGAGCTGTGCTCAAGAGTACCAACAGATGCGAAGAGTCTGTGAC 1850
 Db 1741 CCCAACAGCTCAAGAGCTGTGCTCAAGAGTACCAACAGATGCGAAGAGTCTGTGAC 1800
 QY 1851 CACATCAGTATGATTCCTGTCCAAATGCTTCAAGAAAGGGGCTGAGATCTCAGTCTGCA 1910

Db 1801 CACATCAGTATGATTCCTGTCCAAATGCTTCAAGAAAGGCTGAGATCTCAGTCTGCA 1860
 QY 1911 GTGGAAGATTCAGTACAGTGTGCTGTGGAGACATGTGATTTGGAAGATTCAGACCTGT 1970
 Db 1861 GTGGAAGATTCAGTACAGTGTGCTGTGGAGACATGTGATTTGGAAGATTCAGACCTGT 1920
 QY 1971 CTGTGTGCGGCACTGCAAGATGCGTTTGTGCTGTGCTGTGCAACCTGTGCTGAAA 2030
 Db 1921 CTGTGTGCGGCACTGCAAGATGCGTTTGTGCTGTGCTGTGCAACCTGTGCTGAAA 1980
 QY 2031 GTGTGTATTCGCGGAGACATGCTGCTGTGAGGCTGTGCTGCGATGGGAAAGATGCC 2090
 Db 1981 GTGTGTATTCGCGGAGACATGCTGCTGTGAGGCTGTGCTGCGATGGGAAAGATGCC 2040
 QY 2091 ACCCTCTGATATACATGAAGCCACCTGTGAGATGTTGTAAGAGAGAGAGTGGAAAAG 2150
 Db 2041 ACCCTCTGATATACATGAAGCCACCTGTGAGATGTTGTAAGAGAGAGAGTGGAAAAG 2100
 QY 2151 ACACACAGACACAGCTCCCAAGCCATCAGCTGTGGAGATGCGAGATGAACTGATCA 2210
 Db 2101 ACACACAGACACAGCTCCCAAGCCATCAGCTGTGGAGATGCGAGATGAACTGATCA 2160
 QY 2211 ATGCTGAACCACTTACAGCTGAGCGCTATGCAAGTCCCTCTTCAAGCTTCAAC 2270
 Db 2161 ATGCTGAACCACTTACAGCTGAGCGCTATGCAAGTCCCTCTTCAAGCTTCAAC 2220
 QY 2271 GAGAAAGTGGAGATGCTTGTGACCAATGAAGTCTGCTTGTGAGATTTTCAACATG 2330
 Db 2221 GAGAAAGTGGAGATGCTTGTGACCAATGAAGTCTGCTTGTGAGATTTTCAACATG 2280
 QY 2331 CCCAAGCTGATTTCCCCCACTGAAGACCTGTTTCTGTGCGACATCGAGAGATGAGAG 2390
 Db 2281 CCCAAGCTGATTTCCCCCACTGAAGACCTGTTTCTGTGCGACATCGAGAGATGAGAG 2340
 QY 2391 CGAGAGAGAGAGCGAGAGCTGCGAGAGTGTGCGAGGCTTCTGTGCGAGAGTGTGCA 2450
 Db 2341 CGAGAGAGAGAGCGAGAGCTGCGAGAGTGTGCGAGGCTTCTGTGCGAGAGTGTGCA 2400
 QY 2451 GCGCGCTGTGAGATGAGGAGACCTCAGAGAGAGGCGGCCACACAGAGAGCCACAGGCC 2510
 Db 2401 GCGCGCTGTGAGATGAGGAGACCTCAGAGAGAGGCGGCCACACAGAGAGCCACAGGCC 2460
 QY 2511 AAGAAAGTCAAGAGCCCACTGA 2531
 Db 2461 AAGAAAGTCAAGAGCCCACTGA 2481

RESULT 5
 US-09-564-805-221
 ; Sequence 221: Application US/09564805
 ; Patent No. 6333403
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavligian, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/564,805
 ; PRIOR FILING DATE: 1998-11-06
 ; PRIOR APPLICATION NUMBER: 09/434,382
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: Patent Ver. 2.0
 ; SEQ ID NO 221
 ; LENGTH: 2470
 ; TYPE: DNA
 ; ORGANISM: Mus musculus

Db 2059 AGGACACACACACACCTCCAGGCTATTAATGAGGAGATCGGATGAATGCGGAGTTG 2118
QY 2208 ATTATGCTGACACACTTTCAGCCAGCGCTATGCGCAAGGTCCCTCTTACGCCCCAACTTC 2267
Db 2119 ATCATGCTGAACCACTTCAATGACGCGTACGCGTAACGTAATCCCTTTTACGCCCCTCACTTC 2178
QY 2268 AGCGAAGATGAGGATGCTCTTTCAGCAATGAAGTCTGCTTTGAGACTTTTCAACA 2327
Db 2179 AACGAAAGATGAGTGCCTTTGACCAATGAAGTCTGTTTGGAGACTTCCGACA 2238
QY 2338 ATGCCCAAGCTGATTTCCCTCACTGAAGCCTGTTTCTGCGCAATGAGAGATGAG 2387
Db 2239 GTGCCCAAGCTGATTTCCCTCACTGAAGCCTGTTTGGAGACTTGAAGAGATGAGT 2298
QY 2388 GAGGCGAAGGAGAGCGGAGCTGCGAGGCTGCGGCGGCGCTCTCTCCAGGAGCTG 2447
Db 2299 GAGCGAAGGAGAGAGAGAGCTGAGCTGCTGCGAGAGCGCTCTCTGAC--CAGAG 2355
QY 2448 GCAGGCGGCTGAGAGATGAGGAGCTGAGAGAGCGGCGCCACAGAGAGGCGACA 2506
Db 2356 GCAGGAGCGGCGAG 2414

RESULT 6
US-09-564-805-28
Sequence 28, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavrigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (910)..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
NAME/KEY: misc feature
LOCATION: (13756)..(22917)
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc feature
LOCATION: (23045)..(26452)
OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at

OTHER INFORMATION: positions 22211 and 23879 is A or G.
US-09-564-805-28

Query Match 22.2%; Score 657.2; DB 4; Length 26664;
Best Local Similarity 99.5%; Pred. No. 1.7e-166;
Matches 659; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2297 CATGAAGTCTGCTTTGAGAGCTTTCACATGAGCCCAAGCTGATTTCCCACTGAAGC 2356
Db 25805 CTTAGAGTCTGCTTTGAGAGCTTTCACATGAGCCCAAGCTGATTTCCCACTGAAGC 25864
QY 2337 CCTGTTTCTGCGCATCGAGAGATGAGAGCGCAGGAGAAAGCGGAGCTGCGCA 2416
Db 25865 CCTGTTTCTGCGCATCGAGAGATGAGAGCGCAGGAGAGAAAGCGGAGCTGCGCA 25924
QY 2417 GATGCGGCGGCGCCTCTCTGTCAGGAGCTGCGAGCGGCGCTGAGAGATGAGGAGCCTCA 2476
Db 25925 GATGCGGCGGCGCCTCTCTGTCAGGAGCTGCGAGCGGCGCTGAGAGATGAGGAGCCTCA 25984
QY 2477 GCAGAGCGGCGCCACACAGAGAGCCACAGAGCCCAAGAGTCAAGGCCAGTGAAGTC 2536
Db 25985 GCAGAGCGGCGCCACACAGAGAGCCACAGAGCCCAAGAGTCAAGGCCAGTGAAGTC 26044
QY 2537 TGGAGACCTGAACTCAGAAAGCTGTGTCTTCTGCCCCACGACCGACCTGATCTG 2596
Db 26045 TGGAGACCTGAACTCAGAAAGCTGTGTCTTCTGCCCCACGACCGACCTGATCTG 26104
QY 2597 CCTCCTTCTGCTGAGAGAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGT 2656
Db 26105 CCTCCTTCTGCTGAGAGAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGT 26164
QY 2657 GTATGAGAGCTGCGAGAGCTTGGGCTCCACATAGAGACTATAGATGCTCTTA 2716
Db 26165 GTATGAGAGCTGCGAGAGCTTGGGCTCCACATAGAGACTATAGATGCTCTTA 26224
QY 2717 GACTGTGCTGCGACAGCGCGGCGCAGAGAGCTGCGACAGAGAGAGAGAGATGAA 2776
Db 26225 GACTGTGCTGCGACAGCGCGGCGCAGAGAGCTGCGACAGAGAGAGAGATGAA 26284
QY 2777 CTAATTTTATTTCAAGAGAGTTTTTAAAGAGTCTTGAAGACAGCGCGGACCTTTCC 2836
Db 26285 CTAATTTTATTTCAAGAGAGTTTTTAAAGAGTCTTGAAGACAGCGCGGACCTTTCC 26344
QY 2837 TCTAATCCAGAAAGTATTCCTGACACACAGAGAGAGAGAGATACAGATGATG 2896
Db 26345 TCTAATCCAGAAAGTATTCCTGACACACAGAGAGAGAGATACAGATGATG 26404
QY 2897 GTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCAATTAAGATTGCTTC 2956
Db 26405 GTCTAAGTGTCCGAGACTTAAAGAAATAGTATTTCACTGCAATTAAGATTGCTTC 26464
QY 2957 AA 2958
Db 26465 AA 26466

RESULT 7
US-09-564-805-27
Sequence 27, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavrigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 27
LENGTH: 655
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(228)
OTHER INFORMATION: exon 24
NAME/KEY: POLYA_signal
LOCATION: (636)..(641)
US-09-564-805-27

Query Match 22.1%; Score 655; DB 4; Length 655;
Best Local Similarity 100.0%; Pred. No. 9.2e-167;
Matches 655; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2304 GTCTGCTTGGAGACTTTCCAAACATGCCCAAGCTGATCCGCCACTGAAGCCCTGTTT 2363
DB 1 GTCTGCTTGGAGACTTTCCAAACATGCCCAAGCTGATCCGCCACTGAAGCCCTGTTT 60
QY 2364 GCTGGCGACATCGAGAGATGAGAGAGCCGAGGAGACCGGAGCTGCGGAGGTGCGG 2423
DB 61 GCTGGCGACATCGAGAGATGAGAGAGCCGAGGAGACCGGAGCTGCGGAGGTGCGG 120
QY 2424 GCGGCCCTCTCTGTCAGGAGCTGCGGAGCTGCGGAGATGCGGAGCTTCAACGAAG 2483
DB 121 GCGGCCCTCTCTGTCAGGAGCTGCGGAGCTGCGGAGATGCGGAGCTTCAACGAAG 180
QY 2484 CCGGCCCAACAGAGAGAGCCAGGCAAGAGAGCCAGGAGATGCGGAGATCTGGGAAA 2543
DB 181 CCGGCCCAACAGAGAGAGCCAGGCAAGAGAGCCAGGAGATGCGGAGATCTGGGAAA 240
QY 2544 CCTGAACCTCAGAGAGCTGTGTCTTCTGCCCCAGCAGCAGCCGTAATCTGCCCTCT 2603
DB 241 CCTGAACCTCAGAGAGCTGTGTCTTCTGCCCCAGCAGCAGCCGTAATCTGCCCTCT 300
QY 2604 TCTGTGTAGAGCTGAAGAGCAGGTCCTCCAGAGAGCAGCTCAGATAGGTGTATGA 2663
DB 301 TCTGTGTAGAGCTGAAGAGCAGGTCCTCCAGAGAGCAGCTCAGATAGGTGTATGA 360
QY 2664 GCTGTCCAGAGCTGTGTGTCTTCCACATAGCACTATCTATAGATCCCTTAAGACTG 2723
DB 361 GCTGTCCAGAGCTGTGTGTCTTCCACATAGCACTATCTATAGATCCCTTAAGACTG 420
QY 2724 TGCCTGGCAGAGCCGCGGAGCAGAGGCTGCGCAGCAGAGCAGAGATGAATTAATT 2783
DB 421 TGCCTGGCAGAGCCGCGGAGCAGAGGCTGCGCAGCAGAGCAGAGATGAATTAATT 480
QY 2784 CATTTCAAGGCAAGTTTAAAGAGTCTTGAAAGCAGAGCGGCGCACTTTCTCTAATC 2843
DB 481 CATTTCAAGGCAAGTTTAAAGAGTCTTGAAAGCAGAGCGGCGCACTTTCTCTAATC 540
QY 2844 CAGCAAGAGTATCTCTGCGACACCAAGACAGCAAGTAAAGATCACTGTGGTCTAAG 2903
DB 541 CAGCAAGAGTATCTCTGCGACACCAAGACAGCAAGTAAAGATCACTGTGGTCTAAG 600
QY 2904 TGTCCGAGACTTAAGCAAAATAGTATTTAGCTGCAATAAAGATGAGTTTGA 2958
DB 601 TGTCCGAGACTTAAGCAAAATAGTATTTAGCTGCAATAAAGATGAGTTTGA 655

RESULT 8
US-09-564-805-210
Sequence 210, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavligian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 210
LENGTH: 350
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (51)..(293)
US-09-564-805-210

Query Match 10.1%; Score 297.4; DB 4; Length 350;
Best Local Similarity 98.0%; Pred. No. 1.5e-70;
Matches 301; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 CCGGGGCGTAGAGTGACCGGCGGCTTCTCAGTTTGTGAGACGGCGCATGTGGCGC 60
DB 1 CCGGGGCGTAGAGTGACCGGCGGCTTCTCAGTTTGTGAGACGGCGCATGTGGCGC 60
QY 61 TTTGTCTGCTGTGCGGTGCGGCGGCGGACGACATGTGCGAGAGACGACCATATGCG 120
DB 61 TTTGTCTGCTGTGCGGTGCGGCGGCGGACGACATGTGCGAGAGACGACCATATGCG 120
QY 121 AGGACCCGCGCGCGCGGAGCGGCGGCGGAGAGACCCGCTGGGAGACCTGGCGGCGGAG 180
DB 121 AGGACCCGCGCGCGCGGAGCGGCGGCGGAGAGACCCGCTGGGAGACCTGGCGGCGGAG 180
QY 181 AGAAGCGGAGACCGTCCGGGCTCTCCGGCGGCGGAGACCGCTGTAACCTGAGTGTGG 240
DB 181 AGAAGCGGAGACCGTCTCCGGGCTCTCCGGCGGCGGAGACCGCTGTAACCTGAGTGTGG 240
QY 241 CAGCGGAGTACCGGAGACTCGGCGGCGGCGGCTCTAGCTTCTCCAGTTCAACCGGTATC 300
DB 241 CAGCGGAGTACCGGAGACTCGGCGGCGGCGGCTCTAGCTTCTCCAGTTCAACCGGTATC 300
QY 301 TCTTCAA 307
DB 301 TCAACGA 307

RESULT 9
US-09-564-805-4
Sequence 4, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavligian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4

LENGTH: 295
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (51)-(295)
OTHER INFORMATION: exon 1
US-09-564-805-4

Query Match 10.0%; Score 295; DB 4; Length 295;
Best Local Similarity 100.0%; Pred. No. 6.2e-70;
Matches 295; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGGCGCTAGATGACCGCGGCTTCTCACTTTGTGAGACGGGCGCATGTGGCGC 60
DB 1 CGCGGCGCTAGATGACCGCGGCTTCTCACTTTGTGAGACGGGCGCATGTGGCGC 60
QY 61 TTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120
DB 61 TTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120
QY 121 AGGACCG 180
DB 121 AGGACCG 180
QY 181 AGAAGCGCGGACCGTGGGGGTGCTCCGGCGGCGCGCGCGCGCGCGCGCGCGCGCG 240
DB 181 AGAAGCGCGGACCGTGGGGGTGCTCCGGCGGCGCGCGCGCGCGCGCGCGCGCGCG 240
QY 241 CAGCGGGTAGCGCGGACCTCGGGCGCGCGCGCTTCTTCTTCCGAGTTCAACCG 295
DB 241 CAGCGGGTAGCGCGGACCTCGGGCGCGCGCGCTTCTTCTTCCGAGTTCAACCG 295

RESULT 10
US-09-328-111-315

Sequence 315, Application US/09328111
Patent No. 626233
GENERAL INFORMATION:
APPLICANT: Endeavour, Wilson O.
APPLICANT: Steinmann, Kathleen E.
APPLICANT: Astle, Jon H.
APPLICANT: Burgess, Christopher C.
APPLICANT: Bushnell, Steven E.
APPLICANT: Carroll III, Eddie
APPLICANT: Catino, Theodore J.
APPLICANT: Derti, Adnan
APPLICANT: Ford, Donna M.
APPLICANT: Lewis, Marcia E.
APPLICANT: Monahan, John E.
APPLICANT: Schlegel, Robert
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
FILE REFERENCE: CCD-257 (US)
CURRENT FILING DATE: US/09/328,111
EARLIER FILING DATE: 1999-06-08
EARLIER APPLICATION NUMBER: US 60/088,801
NUMBER OF SEQ ID NOS: 850
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 315
LENGTH: 238
TYPE: DNA
ORGANISM: Homo sapiens
US-09-328-111-315

Query Match 8.0%; Score 237; DB 3; Length 238;
Best Local Similarity 100.0%; Pred. No. 2.4e-54;
Matches 237; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 226 ACCTGACAGTGTGTGACAGCGGAGTACCGGAGACTCGGGCGCGCGCTTACGTTCTTCCG 285
DB 1 ACCTGACAGTGTGTGACAGCGGAGTACCGGAGACTCGGGCGCGCGCTTACGTTCTTCCG 60

QY 286 AGTTCAACCGGTATCTTCACTGTGAGAGAAGCGTTCAAGACTGACGAGACACA 345
DB 61 AGTTCAACCGGTATCTTCACTGTGAGAGAAGCGTTCAAGACTGACGAGACACA 120
QY 346 AGTTAAAGTTGTCTGCTGCGTGAACAACATATTTCTGACACGAATGACCTGTAAATTG 405
DB 121 AGTTAAAGTTGTCTGCTGCGTGAACAACATATTTCTGACACGAATGACCTGTAAATTG 180
QY 406 GGGGTTAAGTGAATGATTTCTTAAAGAAACCGGCTTCCAAAGTGTAC 462
DB 181 GGGGTTAAGTGAATGATTTCTTAAAGAAACCGGCTTCCAAAGTGTAC 237

RESULT 11
US-09-564-805-26

Sequence 26, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 26
LENGTH: 145
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)-(145)
OTHER INFORMATION: exon 23
US-09-564-805-26

Query Match 4.9%; Score 145; DB 4; Length 145;
Best Local Similarity 100.0%; Pred. No. 1.1e-29;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2159 CACAACGTCCCAACGACATGAGCGGTGGGATGCGGATGAAGCGGAGTTCAATTATGCTGAA 2218
DB 1 CACAACGTCCCAACGACATGAGCGGTGGGATGCGGATGAAGCGGAGTTCAATTATGCTGAA 60
QY 2219 CCACCTTACGACGAGGCTATGCAAGTCCCTCTTTCAGCCCACTTACGCGAAGT 2278
DB 61 CCACCTTACGACGAGGCTATGCAAGTCCCTCTTTCAGCCCACTTACGCGAAGT 120
QY 2279 GCGAGTTCCTTTGACCAATGAAG 2303
DB 121 GCGAGTTCCTTTGACCAATGAAG 145

RESULT 12
US-09-564-805-16

Sequence 16, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 16
LENGTH: 139
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(139)
OTHER INFORMATION: exon 13
US-09-564-805-16

Query Match 4.7%; Score 139; DB 4; Length 139;
Best Local Similarity 100.0%; Pred. No. 4.5e-28;
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1130 GTTTGGGCTGACACCCAGCACTTGCTGATGAGAACTGTGCTCAGTTCAACACT 1189
DB 1 GTTTGGGCTGACACCCAGCACTTGCTGATGAGAACTGTGCTCAGTTCAACACT 60
QY 1190 TCGCAGCCCAAGATTCAACCCAGCTCAACCTGATCCACCCGAGACATTTCCCTGCT 1249
DB 61 TCGCAGCCCAAGATTCAACCCAGCTCAACCTGATCCACCCGAGACATTTCCCTGCT 120
QY 1250 CACCACTTTCCGCTGTAAAG 1268
DB 121 CACCACTTTCCGCTGTAAAG 139

RESULT 13
US-09-564-805-20
Sequence 20, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavitigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 20
LENGTH: 139
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(139)
OTHER INFORMATION: exon 17
US-09-564-805-20

Query Match 4.7%; Score 139; DB 4; Length 139;
Best Local Similarity 100.0%; Pred. No. 4.5e-28;
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1571 CCGGACGCTCTGCTACTGAGACTGTGTGAGGGACAACTTTGGGAGCTGTGCGCTCA 1630

DB 1 CCGGACGCTCTGCTACTGAGACTGTGTGAGGGACAACTTTGGGAGCTGTGCGCTCA 60
QY 1631 TTACGAGACCAAGGGGACAGAGTCTCTGGGACACCTGCTGTGTTGTGCCACT 1690
DB 61 TTACGAGACCAAGGGGACAGAGTCTCTGGGACACCTGCTGTGTTGTGCCACT 120
QY 1691 GCACGAGATCACCACAG 1709
DB 121 GCACGAGATCACCACAG 139

RESULT 14
US-09-564-805-24
Sequence 24, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavitigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 121
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(121)
OTHER INFORMATION: exon 21
US-09-564-805-24

Query Match 4.1%; Score 121; DB 4; Length 121;
Best Local Similarity 100.0%; Pred. No. 3e-23;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1959 TTTCAGACTGTCTGTGTGGGCACTGCCAGCATGGCTTGGGTCGGCTGTGGACACC 2018
DB 1 TTTCAGACTGTCTGTGTGGGCACTGCCAGCATGGCTTGGGTCGGCTGTGGACACC 60
QY 2019 TCTGGGTGAAAGTGTCTATTCCGGGACACACATGCCCTGGAGAGCTGTGTCGGATG 2078
DB 61 TCTGGGTGAAAGTGTCTATTCCGGGACACACATGCCCTGGAGAGCTGTGTCGGATG 120
QY 2079 G 2079
DB 121 G 121

RESULT 15
US-09-564-805-10
Sequence 10, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavitigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258

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; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 120
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(120)
; OTHER INFORMATION: exon 7
US-09-564-805-10

Query Match      4.1%; Score 120; DB 4; Length 120;
Best Local Similarity 100.0%; Pred.No. 5.5e-23;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      610 GTGAACAGAGAGGGGAAAGCCAAACCATGGCAGAGTCCAGAAAGGCTCTCAGCAGGC 669
      |||
Db      1 GTGAACAGAGAGGGGAAAGCCAAACCATGGCAGAGTCCAGAAAGGCTCTCAGCAGGC 60

QY      670 TCAGTCAGAGGCGATCTTCAGACTCCGAGTCGATGGAATGAGGCGACACCTTCACATG 729
      |||
Db      61 TCAGTCAGAGGCGATCTTCAGACTCCGAGTCGATGGAATGAGGCGACACCTTCACATG 120
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Search completed: January 13, 2004, 23:23:27
Job time : 190.152 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 13, 2004, 22:49:52 ; Search time 1076.82 Seconds
(without alignments)
9682.402 Million cell updates/sec

Title: US-09-434-382-3

Perfect score: 2958
Sequence: 1 CGCGGCGTAGTGCAGCCGCGC.....aataagatgagttgcaa 2958

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 2324096 seqs, 1762381658 residues

Total number of hits satisfying chosen parameters: 4648192

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications_NA:*

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- 2: /cgn2_6/ptodata/1/pubpna/PCR_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/PCRTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
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- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US09C_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 17: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 18: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2958	100.0	2958	11	US-09-988-626-3
2	2958	100.0	2958	11	US-09-988-687-3
3	2958	100.0	2958	11	US-09-988-686-3
4	2874.4	97.2	2908	11	US-09-988-626-223
5	2874.4	97.2	2908	11	US-09-988-687-223
6	2874.4	97.2	2908	11	US-09-988-686-223
7	2822.4	95.4	2907	12	US-10-108-2604-282
8	2819.6	95.3	2892	11	US-09-988-626-225
9	2819.6	95.3	2892	11	US-09-988-687-225
10	2819.6	95.3	2892	11	US-09-988-686-225
11	2481	83.9	2481	11	US-09-988-626-1
12	2481	83.9	2481	11	US-09-988-687-1
13	2481	83.9	2481	11	US-09-988-686-1
14	1645.6	55.6	2470	11	US-09-988-626-221
15	1645.6	55.6	2470	11	US-09-988-687-221

16	1645.6	55.6	2470	11	US-09-988-686-221	Sequence 221, App
17	734.8	24.8	783	10	US-09-833-381-2039	Sequence 2039, App
18	657.2	22.2	26664	11	US-09-988-626-28	Sequence 28, App
19	657.2	22.2	26664	11	US-09-988-687-28	Sequence 28, App
20	657.2	22.2	26664	11	US-09-988-686-28	Sequence 28, App
21	655	22.1	655	11	US-09-988-626-27	Sequence 27, App
22	655	22.1	655	11	US-09-988-687-27	Sequence 27, App
23	655	22.1	655	11	US-09-988-686-27	Sequence 27, App
24	470.4	15.9	536	10	US-09-833-381-2038	Sequence 2038, App
25	432.8	14.6	554	11	US-09-918-995-8996	Sequence 8996, App
26	297.4	10.1	350	11	US-09-988-626-210	Sequence 210, App
27	297.4	10.1	350	11	US-09-988-687-210	Sequence 210, App
28	297.4	10.1	350	11	US-09-988-686-210	Sequence 210, App
29	295	10.0	295	11	US-09-988-626-4	Sequence 4, App
30	295	10.0	295	11	US-09-988-687-4	Sequence 4, App
31	295	10.0	295	11	US-09-988-686-4	Sequence 4, App
32	237	8.0	238	10	US-09-879-536-315	Sequence 315, App
33	145	4.9	145	11	US-09-988-626-26	Sequence 26, App
34	145	4.9	145	11	US-09-988-687-26	Sequence 26, App
35	145	4.9	145	11	US-09-988-686-26	Sequence 26, App
36	139	4.7	139	11	US-09-988-626-16	Sequence 16, App
37	139	4.7	139	11	US-09-988-626-20	Sequence 20, App
38	139	4.7	139	11	US-09-988-687-16	Sequence 16, App
39	139	4.7	139	11	US-09-988-687-20	Sequence 20, App
40	139	4.7	139	11	US-09-988-686-16	Sequence 16, App
41	139	4.7	139	11	US-09-988-686-20	Sequence 20, App
42	121	4.1	121	11	US-09-988-626-24	Sequence 24, App
43	121	4.1	121	11	US-09-988-687-24	Sequence 24, App
44	121	4.1	121	11	US-09-988-686-24	Sequence 24, App
45	120	4.1	120	11	US-09-988-626-10	Sequence 10, App

ALIGNMENTS

RESULT 1

US-09-988-626-3

Sequence 3, Application US/09988626

Publication No. US2003044959A1

GENERAL INFORMATION:

APPLICANT: Tavcigian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

APPLICANT: Myriad Genetics, Inc.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes

FILE REFERENCE: 2318-258

CURRENT FILING DATE: 2001-11-20

PRIOR APPLICATION NUMBER: 09/564,805

PRIOR FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 3

LENGTH: 2958

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc feature

LOCATION: (51)-(2531)

OTHER INFORMATION: coding sequence as in SEQ ID NO:1

US-09-988-626-3

Query Match: 100.0%; Score 2958; DB 11; Length 2958;

Best Local Similarity: 100.0%; Pred. No. 0;

Matches 2958; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGGCGTAGTGCAGCCGCGGCGCTTTCACGTTTGTGTGAGACGGCGCATGTGGCGC 60

QY 2221 ACTTCAGCCAGCGCTATGCGCAAGGTCCCTCTTTCAGGCCCACTTCAGCGAAGATGG 2280
 Db 2221 ACTTCAGCCAGCGCTATGCGCAAGGTCCCTCTTTCAGGCCCACTTCAGCGAAGATGG 2280
 QY 2281 GAGTTGCTTTGACCAATGAAAGTCTGCTTTGAGACTTTTCAACAAATGCCAAGTGA 2340
 Db 2281 GAGTTGCTTTGACCAATGAAAGTCTGCTTTGAGACTTTTCAACAAATGCCAAGTGA 2340
 QY 2341 TTCCCTCCCTGAAAGCCCTGTTTGTGCGCATGAGAGAGATGAGAGAGCGCAGAGAGA 2400
 Db 2341 TTCCCTCCCTGAAAGCCCTGTTTGTGCGCATGAGAGAGATGAGAGAGCGCAGAGAGA 2400
 QY 2401 AGCGGAGACTGCGGAGGTGCGGCGGCTCTCTTCCAGGAGCTGCGCAGGCGGCTGG 2460
 Db 2401 AGCGGAGACTGCGGAGGTGCGGCGGCTCTCTTCCAGGAGCTGCGCAGGCGGCTGG 2460
 QY 2461 AGGATGGGAGCCTCAGCAAGAGCGGCGCCACACAGAGAGCCACAGGCGCAAGAGTCA 2520
 Db 2461 AGGATGGGAGCCTCAGCAAGAGCGGCGCCACACAGAGAGCCACAGGCGCAAGAGTCA 2520
 QY 2521 GAGCCCAATGAAAGTCTGAGAGAGCCCTGAACTCAGAAAGCTGTGTCTTCTGCCCCACG 2580
 Db 2521 GAGCCCAATGAAAGTCTGAGAGAGCCCTGAACTCAGAAAGCTGTGTCTTCTGCCCCACG 2580
 QY 2581 CACGCAACCGATCTGCGCTCTCTGCTGAGAACTGAAAGAGCAGGCTCCCGCAGAGAG 2640
 Db 2581 CACGCAACCGATCTGCGCTCTCTGCTGAGAACTGAAAGAGCAGGCTCCCGCAGAGAG 2640
 QY 2641 CAGCTCAGGATAGTGTGTATGAGAGCTGTGCGGAGCTTGGGCTCCCATTAAGACTAGT 2700
 Db 2641 CAGCTCAGGATAGTGTGTATGAGAGCTGTGCGGAGCTTGGGCTCCCATTAAGACTAGT 2700
 QY 2701 CTATGATAGCTCTTGAAGATGCTGCTGCGCAACCGCGCGGCGCAGAGGCTGCCACAG 2760
 Db 2701 CTATGATAGCTCTTGAAGATGCTGCTGCGCAACCGCGCGGCGCAGAGGCTGCCACAG 2760
 QY 2761 GAGCAAGCAGATGAACTAATTTCAATTCAGAGCGAGTTTAAAGATCTTGAAGACG 2820
 Db 2761 GAGCAAGCAGATGAACTAATTTCAATTCAGAGCGAGTTTAAAGATCTTGAAGACG 2820
 QY 2821 ACGGCGGACCTTTCTCTAATTCAGCAAGATGATTCCTGCGACACAGAGCAAGAGAGA 2880
 Db 2821 ACGGCGGACCTTTCTCTAATTCAGCAAGATGATTCCTGCGACACAGAGCAAGAGAGA 2880
 QY 2881 GTAACAGATCACTGCTGCTAAGTGTCCGAGACTTAAGAAATAGTATTTCAAGCTGCA 2940
 Db 2881 GTAACAGATCACTGCTGCTAAGTGTCCGAGACTTAAGAAATAGTATTTCAAGCTGCA 2940
 QY 2941 TAAAGATTGAGTTGCAA 2958
 Db 2941 TAAAGATTGAGTTGCAA 2958

RESULT 2

US-09-988-687-3
 ; Sequence 3, Application US/09988687
 ; Publication No. US20030045704A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavligian, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Remmens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/988,687
 ; PRIOR APPLICATION NUMBER: 09/564,805
 ; PRIOR FILING DATE: 2000-05-05
 ; PRIOR APPLICATION NUMBER: US 60/107,468
 ; PRIOR FILING DATE: 1998-11-06

; PRIOR APPLICATION NUMBER: 09/434,382
 ; PRIOR FILING DATE: 1999-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 3
 ; LENGTH: 2958
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (51)-(2531)
 ; OTHER INFORMATION: coding sequence as in SEQ ID NO:1
 US-09-988-687-3

Query Match 100.0%; Score 2958; DB 11; Length 2958;
 Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;
 Matches 2958; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3
 US-09-988-686-3
 ; Sequence 3, Application US/09988686
 ; Publication No. US20030120052A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavitigian, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
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 ; PRIOR APPLICATION NUMBER: US 60/107,468
 ; PRIOR FILING DATE: 1998-11-06
 ; PRIOR APPLICATION NUMBER: 09/434,382
 ; PRIOR FILING DATE: 1999-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 3
 ; LENGTH: 2958
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (51)..(2531)
 ; OTHER INFORMATION: coding sequence as in SEQ ID NO:1
 US-09-988-686-3

Query Match 100.0%; Score 2958; DB 11; Length 2958;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 2958; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 2281 CCCAAGCTGATTTCCCACTGAAAACCTGTTTGTGCGCATGAGAGATGAGAGAG 2340
QY 2391 CGCAGGGAGAAAGCGGGAGCTGCGGAGGTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 2450
Db 2341 CGCAGGGAGAAAGCGGGAGCTGCGGAGGTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 2400
QY 2451 GCGCGCTGAGAGATGGGAGCTTCAGAGAAAGCGGGCCCAACAGAGAGCAAGGCC 2510
Db 2401 GCGCGCTGAGAGATGGGAGCTTCAGAGAAAGCGGGCCCAACAGAGAGCAAGGCC 2460
QY 2511 AAGAAAGTCAAGATCCCAATGAAGATCTGGAGAACCTTGAACCTCAGAAAGCTGTGTCTT 2570
Db 2461 AAGAAAGTCAAGATCCCAATGAAGATCTGGAGAACCTTGAACCTCAGAAAGCTGTGTCTT 2520
QY 2571 CTGCCCCACGACGCAACCGATATCGCCCTCTGCTGCTGAGAAAGTGAAGAGCAAGCTC 2630
Db 2521 CTGCCCCACGACGCAACCGATATCGCCCTCTGCTGCTGAGAAAGTGAAGAGCAAGCTC 2580
QY 2631 CCCAGAGAGAGAGCTCAGAGATAGTGTATGAGAGCTGTCAGAGAGCTTTGGCTCCCAAT 2690
Db 2581 CCCAGAGAGAGAGCTCAGAGATAGTGTATGAGAGCTGTCAGAGAGCTTTGGCTCCCAAT 2640
QY 2691 AAGCACTAGTCTATGATGCTCTTAAAGACTGTGTCAGAGAGCTGTCAGAGAGCTTTGG 2750
Db 2641 AAGCACTAGTCTATGATGCTCTTAAAGACTGTGTCAGAGAGCTGTCAGAGAGCTTTGG 2700
QY 2751 CTGCCACACGGAAGAGACAGATGAATTAATTTCAATTCAGAGAGCTTTTAAAGAAATC 2810
Db 2701 CTGCCACACGGAAGAGAGACAGATGAATTAATTTCAATTCAGAGAGCTTTTAAAGAAATC 2760
QY 2811 TTGGAACACAGACGCGGACCTTCTCTTAATCCAGAAAGTATTCCTGACACACAGA 2870
Db 2761 TTGGAACACAGACGCGGACCTTCTCTTAATCCAGAAAGTATTCCTGACACACAGA 2820
QY 2871 GACAAAGCAGATTAACAGATCAGTGGGTCTAAGTGTCCGAGACTTTACGAAATATGATT 2930
Db 2821 GACAAAGCAGATTAACAGATCAGTGGGTCTAAGTGTCCGAGACTTTACGAAATATGATT 2880
QY 2931 TCAGCTGCAATTAAGATGAGTTTGCAA 2958
Db 2881 TCAGCTGCAATTAAGATGAGTTTGCAA 2908

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RESULT 7

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US-10-108-260A-282
; Sequence 282, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1e1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1

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; SEQ ID NO 282
; LENGTH: 2907
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-282

Query Match      95.4%; Score 2822.4; DB 12; Length 2907;
Best Local Similarity 97.9%; Pred. No. 0;
Matches 2893; Conservative 0; Mismatches 6; Indels 57; Gaps 1;

QY 1 CGCGGCGCTAGATGACCGGCGGCTTTCTCACTTTTGGTGGAGAGCGGCGCATGTGGGCGC 60
Db 9 CGCGGCGCTAGATGACCGGCGGCTTTCTCACTTTTGGTGGAGAGCGGCGCATGTGGGCGC 68
QY 61 TTTGTGCTGCTGCGGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 120
Db 69 TTTGTGCTGCTGCGGCTGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 128
QY 121 AGGACCCGCGCGCGCGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 180
Db 129 AGGACCCGCGCGCGCGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 188
QY 181 AGAAGCGGGAACCGTGGGCGGCTCCCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240
Db 189 AGAAGCGGGAACCGTGGGCGGCTCCCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 248
QY 241 CAGCGGCTAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 300
Db 249 CAGCGGCTAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 268
QY 301 TCTTCAACTGTGAGAAAGCGCTTCAGAGACTCATGACAGAGACACAAAGTTAAAGTTGCTC 360
Db 269 -----GGCGTTGAGAGACTCATGACAGAGACACAAAGTTAAAGTTGCTC 311
QY 361 GCTTGGACAAATATTTCTGACAGAGATGACCTGCTTAATGTTGGGGCTTAAAGTGA 420
Db 312 GCTTGGACAAATATTTCTGACAGAGATGACCTGCTTAATGTTGGGGCTTAAAGTGA 371
QY 421 TGATTTCTACTTTAAAGAAACCGGGCTTCAAGTGTGATCTTTCTGAGACTCCCAAC 480
Db 372 TGATTTCTACTTTAAAGAAACCGGGCTTCAAGTGTGATCTTTCTGAGACTCCCAAC 431
QY 481 TGAATAAATACCTGGAAGCAATCAAAATATTTCTGTCCTAATGGAAGAAATAGAACTG 540
Db 432 TGAATAAATACCTGGAAGCAATCAAAATATTTCTGTCCTAATGGAAGAAATAGAACTG 491
QY 541 CTGTGCGGCGCCCACTTGCCTCCAGAAATCAAGATGAAGAACCATGACAGTATCCAGATTC 600
Db 492 CTGTGCGGCGCCCACTTGCCTCCAGAAATCAAGATGAAGAACCATGACAGTATCCAGATTC 551
QY 601 CCATTCACAGTGAACAGAGAGGGGAAAGCAACCATTTGGCAGAGTCCAGAAAGGCTTC 660
Db 552 CCATTCACAGTGAACAGAGAGGGGAAAGCAACCATTTGGCAGAGTCCAGAAAGGCTTC 611
QY 661 TCAGAGGCTCAGTTCAGAGGATCTTCAGACTCCGAGTGCATGAATGAATAGCCACACC 720
Db 612 TCAGAGGCTCAGTTCAGAGGATCTTCAGACTCCGAGTGCATGAATGAATAGCCACACC 671
QY 721 TTCCACATGATGTTAGCCAGAGAAAGAGGATCAAGGACTCTTCCCTGTCGTAAGTTTCA 780
Db 672 TTCCACATGATGTTAGCCAGAGAAAGAGGATCAAGGACTCTTCCCTGTCGTAAGTTTCA 731
QY 781 TCTGTAAGCTTCATTAAGAGAGAAACTCTTGTGTCTCAAAAGCAAGAGATGGGCG 840
Db 732 TCTGTAAGCTTCATTAAGAGAGAAACTCTTGTGTCTCAAAAGCAAGAGATGGGCGC 791
QY 841 TCCAGTTGGGACAGCTGCGCATGCTCCCATCATTTGCTGTCGTCAAGAGACGGGAAAACA 900
Db 792 TCCAGTTGGGACAGCTGCGCATGCTCCCATCATTTGCTGTCGTCAAGAGACGGGAAAACA 851
QY 901 TCACATGAGAGAGAGAGATTTTGGCTGAAGAGCTGTGTAATCTCTCAAGATCTGTG 960
Db 852 TCACATGAGAGAGAGAGATTTTGGCTGAAGAGCTGTGTAATCTCTCAAGATCTGTG 911

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Oy	961	TTGCTTTTGGTGGTGAATGTCACGATGGAAGCTTCATTCAACCCATCTGTGAGATG	1020
Db	912	CTGCTTTTGTGTGGTGAATGTCCAGTGAAGAGCTTCATTCAACCCATCTGTGAGATG	971
Oy	1021	CCACCTTTCAGAGGTACCAAGGAAAGGCAGATGCCCCGTGGCTGTGTGTTCACTGG	1080
Db	972	CCACCTTTCAGAGGTACCAAGGAAAGGCAGATGCCCCGTGGCTGTGTGTTCACTGG	1031
Oy	1081	CCCCAGCATCTGTCTGTGTGACAGACAGGTATCCAGACGTGGATGGAATGGAAGGTTTGGGCTG	1140
Db	1032	CCCCAGCATCTGTCTGTGTGACAGACAGGTATCCAGACGTGGATGGAAGGTTTGGGCTG	1091
Oy	1141	ACACCCAGCATTTGTGTCTGTGAATAGAACTGTGTCTCAGTTCAACAACCTTCGACGCACA	1200
Db	1092	ACACCCAGCATTTGTGTCTGTGAATAGAACTGTGTCTCAGTTCAACAACCTTCGACGCACA	1151
Oy	1201	AGATTCAAAACCCAGCTCAACCTCATCCACCCGGACATCTTCCCTCTGTCAACAGTTTCC	1260
Db	1152	AGATTCAAAACCCAGCTCAACCTCATCCACCCGGACATCTTCCCTCTGTCAACAGTTTCC	1211
Oy	1261	GCTGTAAAGAAAGGGGCCCAACCCAGTGTGGCCATGGTTCAAGGTGAATGCTCTCA	1320
Db	1212	GCTGTAAAGAAAGGGGCCCAACCCAGTGTGGCCATGGTTCAAGGTGAATGCTCTCTCA	1271
Oy	1321	AGTACACAGCTCCGTCCAGAGAGGAGTGGCAGAGGGATGCCATTATTACTTGCAAATCTG	1380
Db	1272	AGTACACAGCTCCGTCCAGAGAGGAGTGGCAGAGGGATGCCATTATTACTTGCAAATCTG	1331
Oy	1381	AGGAATTCATATGTTGAAGGCGCTGCAGCTTCCCACTTCACACAGAGGTGACAGAGATACA	1440
Db	1332	AGGAATTCATATGTTGAAGGCGCTGCAGCTTCCCACTTCACACAGAGGTGACAGAGATACA	1391
Oy	1441	GGAGGAGTGCACAGACCGGCCAGCCCCACAGACAGAAAGAAAGTCAATACCCAGAAATCA	1500
Db	1392	GGAGGAGTGCACAGACCGGCCAGCCCCACAGACAGAAAGAAAGTCAATACCCAGAAATCA	1451
Oy	1501	TCTTCTCTTGAAACAGGGTCTGTGCATCCCGATGAAAGTTCGAAATGTCAATGTCCACACTTG	1560
Db	1452	TCTTCTCTTGAAACAGGGTCTGTGCATCCCGATGAAAGTTCGAAATGTCAATGTCCACACTTG	1511
Oy	1561	TCAACATTAAGCCCCGACACGTCTCTGCTACTGGAATGTGTGTGAGGGGCACATTTGGGAGC	1620
Db	1512	TCAACATTAAGCCCCGACACGTCTCTGCTACTGGAATGTGTGTGAGGGGCACATTTGGGAGC	1571
Oy	1621	TGTGCGCTCATTTACGGAACCAAGGTGACAGGGTCTGTGGGCACCTGTGCTGTGTGTTG	1680
Db	1572	TGTGCGCTCATTTACGGAACCAAGGTGACAGGGTCTGTGGGCACCTGTGCTGTGTGTTG	1631
Oy	1681	TGTCCCACTGCAAGCAGATATCCAAGAGGGTTGCCAAAGTATCTGTGTGAGAGAGAC	1740
Db	1632	TGTCCCACTGCAAGCAGATATCCAAGAGGGTTGCCAAAGTATCTGTGTGAGAGAGAC	1691
Oy	1741	GCAGCTTGGGCACTTTTGGGAAAGCCGCTTCAACCTTTGCTGTGTGTTGCCCCACACAGC	1800
Db	1692	GCAGCTTGGGCACTTTTGGGAAAGCCGCTTCAACCTTTGCTGTGTGTTGCCCCACACAGC	1751
Oy	1801	TCMAAGCTGGCTGCAGCATATCCACAAACCACTGTCCAGAGAGTCTGTGACCAATCACTA	1860
Db	1752	TCMAAGCTGGCTGCAGCATATCCACAAACCACTGTCCAGAGAGTCTGTGACCAATCACTA	1811
Oy	1861	TGATTTCCTGGCAAAATGCTTGCAGAAAGGGGCTGAGATCTCCAGTCTCTCAGTGGAAAGAT	1920
Db	1812	TGATTTCCTGGCAAAATGCTTGCAGAAAGGGGCTGAGATCTCCAGTCTCTCAGTGGAAAGAT	1871
Oy	1921	TGATCAGTTCCGTGTGCGAATGTGATTTGGAAGAGTTTCAACCTGTCTGTGCGGC	1980
Db	1872	TGATCAGTTCCGTGTGCGAATGTGATTTGGAAGAGTTTCAACCTGTCTGTGCGGC	1931
Oy	1981	ACTGCAAGCATGCTGTTGGCTGTGGGCTGTGGTGCACACCTCTGGGCTGGAAAGGTCTATT	2040
Db	1932	ACTGCAAGCATGCTGTTGGCTGTGGGCTGTGGTGCACACCTCTGGGCTGGAAAGGTCTATT	1991

QY	2041	CCGGGAGACACATCCTCCCTGGAGAGCTCTGGTCCGGAATGGGAAAAGATGCCACCTCTGA	2100
Db	1992	CCGGGAGACACATCCTCCCTGGAGAGCTCTGGTCCGGAATGGGAAAAGATGCCACCTCTGA	2051
QY	2101	TACATGAAGCCACCCTGGAAAGATGGTTTGGAAAGAGAGCACTGGAAAAGACACACGCA	2160
Db	2052	TACATGAAGCCACCCTGGAAAGATGGTTTGGAAAGAGAGCACTGGAAAAGACACACGCA	2111
QY	2161	CAAGCTCCCAAGCCATCAAGCTGGGGATTCGGGATGAACGGGAGTTTCAATATGCTGAAC	2220
Db	2112	CAAGCTCCCAAGCCATCAAGCTGGGGATTCGGGATGAACGGGAGTTTCAATATGCTGAAC	2171
QY	2221	ACTTCAGCCAGACGCTATGSCCAAGGTCCTCCCTCTTCACGCCCACTTCAGCGAGAAATGG	2280
Db	2172	ACTTCAGCCAGACGCTATGSCCAAGGTCCTCCCTCTTCACGCCCACTTCAGCGAGAAATGG	2231
QY	2281	GAGTTGCCTTTGACACACATGAAGGTCTGTCTTTGGAGACTTTCACAAATGCCCACTGA	2340
Db	2232	GAGTTGCCTTTGACACACATGAAGGTCTGTCTTTGGAGACTTTCACAAATGCCCACTGA	2291
QY	2341	TTCCCCCACTGAAGCCCTGTTTCTGTGGCCACATCGAGAGATGTGAAGAGCGCAGGAGA	2400
Db	2292	TTCCCCCACTGAAGCCCTGTTTCTGTGGCCACATCGAGAGATGTGAAGAGCGCAGGAGA	2351
QY	2401	AGCGGAGACTCGGACAGGTGCGGCGGCGCCCTCTGTCAAGGAGACTGGACAGCGCGCTGG	2460
Db	2352	AGCGGAGACTCGGACAGGTGCGGCGGCGCCCTCTGTGTCAAGGAGACTGGACAGCGCGCTGG	2411
QY	2461	AGGATGGGGAAGCTCTCAGCAGAAAGCGGAGCCACACAGAGAGGCCACAGGCCAAGAGGTCA	2520
Db	2412	AGGATGGGGAAGCTCTCAGCAGAAAGCGGAGCCACACAGAGAGGCCACAGGCCAAGAGGTCA	2471
QY	2521	GAGCCCAGTGAAGATCTGGGAGAACCTCGAACTCAGAAAGGCTGTGTCTTCTGCCCCAGG	2580
Db	2472	GAGCCCAGTGAAGATCTGGGAGAACCTCGAACTCAGAAAGGCTGTGTCTTCTGCCCCAGG	2531
QY	2581	CAGCAGCCCGATCTGCGCCCTCTTGCTGTGTGAAGCTGAAGAGCAGCGTCCCCCAGAGG	2640
Db	2532	CAGCAGCCCGATCTGCGCCCTCTTGCTGTGTGAAGCTGAAGAGCAGCGTCCCCCAGAGG	2591
QY	2641	CAGCTCAGGATAGGTGTATGAAGCTGTGCCGAGCTTGGGCTCCCATTAAGCACTAGT	2700
Db	2592	CAGCTCAGGATAGGTGTATGAAGCTGTGCCGAGCTTGGGCTCCCATTAAGCACTAGT	2651
QY	2701	CTATTGATGCTCTTAAGACTGTGTGCTGGGACAGCCGCGGCCAGAGAGGTGCAACAG	2760
Db	2652	CTATTGATGCTCTTAAGACTGTGTGCTGGGACAGCCGCGGCCAGAGAGGTGCAACAG	2711
QY	2761	GAAGCAACACAGATGAATTAATTTCAATTTCAAGGACGAGTTTTTAAAGAAAGCTTTGAAAACAG	2820
Db	2712	GAAGCAACACAGATGAATTAATTTCAATTTCAAGGACGAGTTTTTAAAGAAAGCTTTGAAAACAG	2771
QY	2821	ACGGCGGACCTTTCCTCTAATTCAGCAAAAGTATTCCTGCAACACAGACAAGACAGA	2880
Db	2772	ACGGCGGACCTTTCCTCTAATTCAGCAAAAGTATTCCTGCAACACAGACAAGACAGA	2831
QY	2881	GTAAACAGATCAATGGGTCTAAGTGTCCGAGACTTAAAGAAAATATGATTTTCACTGCA	2940
Db	2832	GTAAACAGATCAATGGGTCTAAGTGTCCGAGACTTAAAGAAAATATGATTTTCACTGCA	2891
QY	2941	TAAAGATTGAGTTTGC 2956	
Db	2892	TAAAGATTGAGTTTGC 2907	

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RESULT 8
US-09-988-626-225
; Sequence 225, Application US/099886226225
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtignan, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques

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Db 1741 CCCAGCAGCTCAAAAGCTGCTGCTCAGACAGTACCAACACAGTGCAGAGAGTCTCTGCAC 1800
Qy 1851 CACATCAGTATGATTCCTGCTCAAAATGCTTCAAGAAAGGGGCTGAGATCTCACTCTGCA 1910
Db 1801 CACATCAGTATGATTCCTGCTCAAAATGCTTCAAGAAAGGGGCTGAGATCTCTCACTCTGCA 1860
Qy 1911 GTGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1970
Db 1861 GTGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1920
Qy 1971 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2030
Db 1921 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1980
Qy 2031 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2090
Db 1981 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2040
Qy 2091 ACCCTCTCTGATATCATGAGCCACCTGGAAGATGCTTGGAAAGAGAGAGAGAGAGAGAG 2150
Db 2041 ACCCTCTCTGATATCATGAGCCACCTGGAAGATGCTTGGAAAGAGAGAGAGAGAGAGAG 2100
Qy 2151 ACAACAGACAAACGCTCCCAAGCCATCAGCTGCGGAGATGCGAGTGAACCGGAGTTCAAT 2210
Db 2101 ACAACAGACAAACGCTCCCAAGCCATCAGCTGCGGAGATGCGAGTGAACCGGAGTTCAAT 2160
Qy 2211 ATGCTGAACCACTTCAAGCCAGGCTTATGCAAGAGTCCCTCTTCAAGCCCACTTCAAGC 2270
Db 2161 ATGCTGAACCACTTCAAGCCAGGCTTATGCAAGAGTCCCTCTTCAAGCCCACTTCAAGC 2220
Qy 2271 GAGAAAGTGAGAGTGGCTTTGACCAATGAAGTCTGCTTTGAGAGATTTCCAAACATG 2330
Db 2221 GAGAAAGTGAGAGTGGCTTTGACCAATGAAGTCTGCTTTGAGAGATTTCCAAACATG 2280
Qy 2331 CCCAAGCTGATTTCCCACTGAAGAGCCCTGTTTCTGCTGCGACATCGAGAGATGAGAGAG 2390
Db 2281 CCCAAGCTGATTTCCCACTGAAGAGCCCTGTTTCTGCTGCGACATCGAGAGATGAGAGAG 2340
Qy 2391 CGAGAGGAG 2450
Db 2341 CGAGAGGAG 2400
Qy 2451 GGGGAGCTGAG 2510
Db 2401 GGGGAGCTGAG 2460
Qy 2511 AAGAAAGTCAAGAGCCCAAGTGAAGATCTGGAGAGCCCTGAACCTGAAGAGCTGTGTCTT 2570
Db 2461 AAGAAAGTCAAGAGCCCAAGTGAAGATCTGGAGAGCCCTGAACCTGAAGAGCTGTGTCTT 2520
Qy 2571 CTGCTCCAG 2630
Db 2521 CTGCTCCAG 2580
Qy 2631 CCCAG 2690
Db 2581 CCCAG 2640
Qy 2691 AAGCACTAGTCTATAGATGCTTATAGAGCTGTGCTGAGAGAGAGAGAGAGAGAGAGAGAG 2750
Db 2641 AAGCACTAGTCTATAGATGCTTATAGAGCTGTGCTGAGAGAGAGAGAGAGAGAGAGAGAG 2684
Qy 2751 CTGCTCCAG 2810
Db 2685 CTGCTCCAG 2744
Qy 2811 TTGGAAG 2870
Db 2745 TTGGAAG 2804
Qy 2871 GACAG 2930
Db 2805 GACAG 2864

Qy 2931 TCAGCTGCAATTAAGATTGAGTTTGCA 2958
Db 2865 TCAGCTGCAATTAAGATTGAGTTTGCA 2892

RESULT 9
US-09-988-687-225
; Sequence 225, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavligian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 225
; LENGTH: 2892
; TYPE: DNA
; ORGANISM: Gorilla gorilla
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-988-687-225

Query Match 95.3%; Score 2819.6; DB 11; Length 2892;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 2863; Conservative 0; Mismatches 29; Indels 16; Gaps 1;

Qy 51 ATGTGGGCGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 110
Db 1 ATGTGGGCGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 60
Qy 111 ACCATATGCGAG 170
Db 61 ACCATATGCGAG 120
Qy 171 CCAGCGAG 230
Db 121 CCAGCGAG 180
Qy 231 CAGGTGTGCGAGCGGGGTAGCGGGGAGCTGCGGGGAGCTGCGGGGAGCCAAACACCGTGTACTTG 290
Db 181 CAGGTGTGCGAGCGGGGTAGCGGGGAGCTGCGGGGAGCTGCGGGGAGCCAAACACCGTGTACTTG 240
Qy 291 AACCGGTATCTTCAACCTGTGAG 350
Db 241 AACCGGTATCTTCAACCTGTGAG 300
Qy 351 AAGGTGTGCTCGCTGAG 410
Db 301 AAGGTGTGCTCGCTGAG 360
Qy 411 TTAAGTGAATGATTTCTTAAGGAAACCGGGCTTCAAGGTGTACTTTTGTGGA 470
Db 361 TTAAGTGAATGATTTCTTAAGGAAACCGGGCTTCAAGGTGTACTTTTGTGGA 420
Qy 471 CCTCCCAACCTGAG 530
Db 421 CCTCCCAACCTGAG 480

Qy	531	ATGAGCTGGCTGGCGGCGCCACCTCTGCGCCAGAAATACGAGGATGAAACCATGACGTT	590
Db	481	ATAGACTGGCTGGCGGCGCCACCTCTGCGCCAGAAATACGAGGATGAAACCATGACGTT	540
Qy	591	TACCAGATCCCATACACAGTGAACAGAGAGGGGAAAGCAACCACTGGCAGAGTCCA	650
Db	541	TACCAGATCCCATACACAGTGAACAGAGAGGGGAAAGCAACCACTGGCAGAGTCCA	600
Qy	651	GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCGAATGAAAT	710
Db	601	GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCGAATGAAAT	660
Qy	711	GAGCACAACCTTCCACATGATGTAGCCAGAGAAAGAGGGGTCCAGGAATCTTTCCCTGCTC	770
Db	661	GAGCACAACCTTCCACATGATGTAGCCAGAGAAAGAGGGGTCCAGGAATCTTTCCCTGCTC	720
Qy	771	GTAGCTTTCATCTGTAGCTTCACTTAAAGAGAGAACTTCTTGATGCTCAAGCAAG	830
Db	721	GTAGCTTTCATCTGTAGCTTCACTTAAAGAGAGAACTTCTTGATGCTCAAGCAAG	780
Qy	831	GAGATGGGCTCCCAAGTTGGAGCAGCTGCATCGCTCCCATCATTTGCTGCTCAGAGAC	890
Db	781	GAGATGGGCTCCCAAGTTGGAGCAGCTGCATCGCTCCCATCATTTGCTGCTCAGAGAC	840
Qy	891	GGGAAAGCATCATCTGAAAGAAAGAAATTTTGGCTGAAGAGCTGTATCTCTCCA	950
Db	841	GGGAAAGCATCATCTGAAAGAAAGAAATTTTGGCTGAAGAGCTGTATCTCTCCA	900
Qy	951	GATCTGGTGTGCTTTTGTGTGGTAGAATGTCCAGATGAAGCTTCAATCCACATC	1010
Db	901	GATCTGGTGTGCTTTTGTGTGGTAGAATGTCCAGATGAAGCTTCAATCCACATC	960
Qy	1011	TGTGAGATGCGCACTTTCAGAGGTACCAAGAAAGCAGATGGCCCCGTGGCTTGATG	1070
Db	961	TGTGAGATGCGCACTTTCAGAGGTACCAAGAAAGCAGATGGCCCCGTGGCTTGATG	1020
Qy	1071	GTTCACATGGCCCCCAGACTCTGTGCTGTGGAACAGCAGATACCAAGCTGATGGAAG	1130
Db	1021	GTTCACATGGCCCCCAGACTCTGTGCTGTGGAACAGCAGATACCAAGCTGATGGAAG	1080
Qy	1131	TTTGGGCGCTGACACCCAGCACTTGTGCTGTGAATGAAATGTGCTCACTTCAACACTT	1190
Db	1081	TTTGGGCGCTGACACCCAGCACTTGTGCTGTGAATGAAATGTGCTCACTTCAACACTT	1140
Qy	1191	CGCAGCCACAGATTTCAAAACCCAGCTCAACTCAACCCGAGCATTTTCCCTGCTC	1250
Db	1141	CGCAGCCACAGATTTCAAAACCCAGCTCAACTCAACCCGAGCATTTTCCCTGCTC	1200
Qy	1251	ACCAAGTTCCGCTGTAAAGAGAGGGCCCCACCTCAGTGTGCCATGTTCAAGGTGAA	1310
Db	1201	ACCAAGTTCCGCTGTAAAGAGAGGGCCCCACCTCAGTGTGCCATGTTCAAGGTGAA	1260
Qy	1311	TGCTCTCTCAAGTACAGCTCCGTCCAGAGAGAGTGGCAGAGGATGCCATTATTACT	1370
Db	1261	TGCTCTCTCAAGTACAGCTCCGTCCAGAGAGAGTGGCAGAGGATGCCATTATTACT	1320
Qy	1371	TGCAATCCCTGAGAAATTCATGATTTGAGGCGCTGACGTTCCCACTTCCACAGAGGCTG	1430
Db	1321	TGCAATCCCTGAGAAATTCATGATTTGAGGCGCTGACGTTCCCACTTCCACAGAGGCTG	1380
Qy	1431	CAGAGTACAGAGAGAGTGGCAGAGCGGCCAGGCCACAGACAGAAAGAAAGTCAAGTAC	1490
Db	1381	CAGAGTACAGAGAGAGTGGCAGAGCGGCCAGGCCACAGACAGAAAGAAAGTCAAGTAC	1440
Qy	1491	CCAGAAATCATCTTCTTGGAAACAGGGTCTGCCATCCCATGAAGATTCGAAATGTCACT	1550
Db	1441	CCAGAAATCATCTTCTTGGAAACAGGGTCTGCCATCCCATGAAGATTCGAAATGTCACT	1500
Qy	1551	GCCACACTTGTCAATGAAGCCCGGACAGTCTGTGCTACGACTGTGTGTGAAGGGGACA	1610
Db	1501	GCCACACTTGTCAATGAAGCCCGGACAGTCTGTGCTACGACTGTGTGTGAAGGGGACG	1560


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Db      1321 TGCAATCTTGAGGAATTCATAGTGAAGGCGCTGCAGCTTCCCACTTCCAGCAGAGTGTG 1380
Oy      1431 CAGAGATACAGAGAGAGTGGCAGAGACGGCCAGGCCAGCAGAGAGAGAAAGATCAGTAC 1490
Db      1381 CAGAGATACAGAGAGAGTGGCAGAGACGGCCAGGCCAGCAGAGAGAGAAAGATCAGTAC 1440
Oy      1491 CCAGAAATCATCTTCTTGGAAACAGAGGTCTGCAATCCCGATGAAAGATTGAAATGTCAGT 1550
Db      1441 CCAGAAATCATCTTCTTGGAAACAGAGGTCTGCAATCCCGATGAAAGATTGAAATGTCAGT 1500
Oy      1551 GCCACATCTTGTCAACATAGAGCCCGCAGACGCTCTCTGCTACTGAGACTGTGTGAGGGCACA 1610
Db      1501 GCCACATCTTGTCAACATAGAGCCCGCAGACGCTCTCTGCTACTGAGACTGTGTGAGGGCACA 1560
Oy      1611 TTGGGCGAGCTGTGCGCTCATTAAGGAGACAGAGTGAACAGGGTCTGTGGGACCCCTGACT 1670
Db      1561 TTGGGCGAGCTGTGCGCTCATTAAGGAGACAGAGTGAACAGGGTCTGTGGGACCCCTGACT 1620
Oy      1671 GCTGTGTGTGTGCTCCACCTGACAGCAGATGACACACAGGGCTTGGCAAGTATCTTGTGCTG 1730
Db      1621 GCTGTGTGTGTGCTCCACCTGACAGCAGATGACACACAGGGCTTGGCAAGTATCTTGTGCTG 1680
Oy      1731 CAGAGAGACGGCGCTTGGCATCTTGTGGAAAGCCGCTTACCCCTTGTGTGTGTGCTG 1790
Db      1681 CAGAGAGACGGCGCTTGGCATCTTGTGGAAAGCCGCTTACCCCTTGTGTGTGTGCTG 1740
Oy      1791 CCCAACCGCTCAAGCGCTGCTGCGAGATGACCAACAGTGCAGAGAGTCTGTGAC 1850
Db      1741 CCCAACCGCTCAAGCGCTGCTGCGAGATGACCAACAGTGCAGAGAGTCTGTGAC 1800
Oy      1851 CACATCATGATGATTCCTGCCAAATGCTTGCAGAAAGGGGCTGAGATCTCCAGTCTGCA 1910
Db      1801 CACATCATGATGATTCCTGCCAAATGCTTGCAGAAAGGGGCTGAGATCTCCAGTCTGCA 1860
Oy      1911 GTGAAAGATTGATCATGTTCCGTGTCGAAACATGTGATTTGAAAGATTTCAGCTGT 1970
Db      1861 GTGAAAGATTGATCATGTTCCGTGTCGAAACATGTGATTTGAAAGATTTCAGCTGT 1920
Oy      1971 CTGTGTGCGGCACTGCAAGCATGCGCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2030
Db      1921 CTGTGTGCGGCACTGCAAGCATGCGCTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1980
Oy      2031 GTGTGTCTATTCGCGGGGACACCATGCGCTGCGAGGCTCTGTGTGTGTGTGTGTGTGTGTGT 2090
Db      1981 GTGTGTCTATTCGCGGGGACACCATGCGCTGCGAGGCTCTGTGTGTGTGTGTGTGTGTGTGT 2040
Oy      2091 ACCCTCTGATATCATGAAGCCACCTGTGAAGATGTGTTTGAAGAGAAAGCATGTGAAAG 2150
Db      2041 ACCCTCTGATATCATGAAGCCACCTGTGAAGATGTGTTTGAAGAGAAAGCATGTGAAAG 2100
Oy      2151 ACACACAGACAAACGTCCTCCAGCCATGACGCTGGGGATGCGGATGAACGGGAGTTCAATT 2210
Db      2101 ACACACAGACAAACGTCCTCCAGCCATGACGCTGGGGATGCGGATGAACGGGAGTTCAATT 2160
Oy      2211 ATGTGACACCACTTCAGCAGAGGCTATGCAAGGTCCTCCCTTTCAGGCCCACTTTCAGC 2270
Db      2161 ATGTGACACCACTTCAGCAGAGGCTATGCAAGGTCCTCCCTTTCAGGCCCACTTTCAGC 2220
Oy      2271 GAGAAAGTGGAGTTCCTTTGACCAATGAAGATCTGCTTTGAGACTTTTCCAAATG 2330
Db      2221 GAGAAAGTGGAGTTCCTTTGACCAATGAAGATCTGCTTTGAGACTTTTCCAAATG 2280
Oy      2331 CCCAAGCTGATTTCCCTCACTGAAAGCCCTGTTTGTGTGCGACATGAGAGATGAGAGAG 2390
Db      2281 CCCAAGCTGATTTCCCTCACTGAAAGCCCTGTTTGTGTGCGACATGAGAGATGAGAGAG 2340
Oy      2391 CGCAGGAGAGAGCGGAGCTGCGAGAGTGGCGGCGGCGCTCTCTGTCAGAGAGCTGAGCA 2450
Db      2341 CGCAGGAGAGAGCGGAGCTGCGAGAGTGGCGGCGGCGCTCTCTGTCAGAGAGCTGAGCA 2400
Oy      2451 GCGGCGCTGAGAGATGGGAGGCTTACAGCAAGACCGGCGCCACACAGAGAGCCACAGGCC 2510
Db      2401 GCGGCGCTGAGAGATGGGAGGCTTACAGCAAGACCGGCGCCACACAGAGAGCCACAGGCC 2460

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Oy      2511 AAGAGGTACAGAGCCAGTGAAGATCTGGAGAGACCTGAACTCAGAAAGCTGTGTCTT 2570
Db      2461 AAGAAAGTCAAGAGCCAGTGAAGATCTGGAGAGACCTGAACTCAGAAAGCTGTGTCTT 2520
Oy      2571 CTGCCCCACGACGACCGCTGATCTGCTCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2630
Db      2521 CTGCCCCACGACGACCGCTGATCTGCTCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2580
Oy      2631 CCCAGAGAGAGCTCAGAGATGAGTGTGATGAGCTGTGCGGAGGCTTGGGCTCCACAT 2690
Db      2581 CCCAGAGAGAGCTCAGAGATGAGTGTGATGAGCTGTGCGGAGGCTTGGGCTCCACAT 2640
Oy      2691 AAGCACTGATCTATAGATGCTCTTAGAGCTGTGTGCTGCGACAGCCGCGGCGAGAG 2750
Db      2641 AAGCACTGATCTATAGATGCTCTTAGAGCTGTGTGCTGCGACAGCCGCGGCGAGAG 2684
Oy      2751 CTGCCACACGAGACAGACAGATGAACTAATTTTCAAGGAGCTTTTAAAGAGTGC 2810
Db      2685 CTGCCACACGAGACAGACAGATGAACTAATTTTCAAGGAGCTTTTAAAGAGTGC 2744
Oy      2811 TTGGAACAGACGCGCGGACCTTCTCTATTCAGCAAAAGTATTCCTGTCAACCGA 2870
Db      2745 TTGGAACAGACGCGCGGACCTTCTCTATTCAGCAAAAGTATTCCTGTCAACCGA 2804
Oy      2871 GACAAGCAGAGTAAACAGATCAGTGGGTCTAAGTGTCCGAGACTTAAAGAAATAGTATT 2930
Db      2805 GACAAGCAGAGTAAACAGATCAGTGGGTCTAAGTGTCCGAGACTTAAAGAAATAGTATT 2864
Oy      2931 TCAGCTGCATTAAGATTGAGTTTGCA 2958
Db      2865 TCAGCTGCATTAAGATTGAGTTTGCA 2892

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RESULT 11
US-09-988-626-1
; Sequence 1, Application US/09988626
; Publication No. US2003044959A1
; GENERAL INFORMATION:
; APPLICANT: Taveligian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: Gene and a Paralog and Orthologous Genes
; CURRENT FILING DATE: 2001-11-20
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2481
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-988-626-1

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Query Match      83.9%; Score 2481; DB 11; Length 2481;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2481; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy      51 ATGTGGCGCTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 110
Db      1 ATGTGGCGCTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 60

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111 ACCATATGCGAGGCAACCGGCGCGCGAGCGGCGGCAAGAACCCGCTGGGCACTG 170
Db ACCATATGCGAGGCAACCGGCGCGCGAGCGGCGGCAAGAACCCGCTGGGCACTG 120
Qy 171 CGCAGCGCGAGAGAGCGCGGACCGTCGCGGCTCTCGCGCGGCGCAACACCGTGAACCTG 230
Db CGCAGCGCGAGAGAGCGGACCGTCGCGGCTCTCGCGCGGCGCAACACCGTGAACCTG 180
Qy 231 CAGGTGTGTGCGAGCGGCTGAGCGGCACTGGGCGCGCGCTTACGTCCTTCCGAGTTC 290
Db CAGGTGTGTGCGAGCGGCTGAGCGGCACTGGGCGCGCGCTTACGTCCTTCCGAGTTC 240
Qy 291 AACCGGTATCTCTTCAACTGTGAGAGAGCGGCTTCAAGAGACTCATGCGAGAGCAAGTTA 350
Db AACCGGTATCTCTTCAACTGTGAGAGAGCGGCTTCAAGAGACTCATGCGAGAGCAAGTTA 300
Qy 351 AAGTTGCTCGCTGAGCAACATATTCCTGACACGAACTCATGCTATGTTGGGGGC 410
Db AAGTTGCTCGCTGAGCAACATATTCCTGACACGAACTCATGCTATGTTGGGGGC 360
Qy 411 TTAAAGTGAATGTTCTTAAAGAAACCGGCTTCAAAAGTGTACTTTCTGGA 470
Db TTAAAGTGAATGTTCTTAAAGAAACCGGCTTCAAAAGTGTACTTTCTGGA 420
Qy 471 CCTCCACAACGTGAGAAATACCTCGAAGCAATCAAAATTTTCTGCTCATTTGAAAGGA 530
Db CCTCCACAACGTGAGAAATACCTCGAAGCAATCAAAATTTTCTGCTCATTTGAAAGGA 480
Qy 531 ATAGAATCGGCTGTGCGGCGGCACTCTGCGCCGAATACGAGATGAACCATGACGTT 590
Db ATAGAATCGGCTGTGCGGCGGCACTCTGCGCCGAATACGAGATGAACCATGACGTT 540
Qy 591 TACGAGATCCCATTAACAAGTGAACGAGAGAGGAGAAAGCAACACATGCGAGTCCA 650
Db TACGAGATCCCATTAACAAGTGAACGAGAGAGGAGAAAGCAACACATGCGAGTCCA 600
Qy 651 GAAAGGCTCTGAGGAGGCTCAGTCAGAGCGGCTTCAAGCTCCGAGTCGAATGAAT 710
Db GAAAGGCTCTGAGGAGGCTCAGTCAGAGCGGCTTCAAGCTCCGAGTCGAATGAAT 660
Qy 711 GAGCCACACCTTCCACATGTTTAAAGCAAGAGAGGAGTCAAGGACTCTTCCCTGCTC 770
Db GAGCCACACCTTCCACATGTTTAAAGCAAGAGAGGAGTCAAGGACTCTTCCCTGCTC 720
Qy 771 GTAGCTTCACTGTGAAGCTTCACTTAAAGAGAGAACTTCTTGTGCTCAAAAGCAAG 830
Db GTAGCTTCACTGTGAAGCTTCACTTAAAGAGAGAACTTCTTGTGCTCAAAAGCAAG 780
Qy 831 GAGATGGGCTCCCAATGGGAGAGCTGCATGCTCCCATCATTTGCTGTCAAGAGAC 890
Db GAGATGGGCTCCCAATGGGAGAGCTGCATGCTCCCATCATTTGCTGTCAAGAGAC 840
Qy 891 GGGAAAAGCATCACTCATGAAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTTCCA 950
Db GGGAAAAGCATCACTCATGAAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTTCCA 900
Qy 951 GATCTGTGTGCTCTTTTGTGTGTGAATGTCCAGATGAAGCTTCAATCAACCATC 1010
Db GATCTGTGTGCTCTTTTGTGTGTGAATGTCCAGATGAAGCTTCAATCAACCATC 960
Qy 1011 TGTGAAATGCGCACTTTTCAAGAGTACCAAGAAAGAGAGAGAGAGAGAGAGAGAG 1070
Db TGTGAAATGCGCACTTTTCAAGAGTACCAAGAAAGAGAGAGAGAGAGAGAGAGAG 1020
Qy 1071 GTTCAATGAGGCGCCAGCATGTGTGTGTGAGACAGAGGTACAGAGAGTGAAGAGAG 1130
Db GTTCAATGAGGCGCCAGCATGTGTGTGTGAGACAGAGGTACAGAGAGTGAAGAGAG 1080
Qy 1131 TTTGGGCTGTGACCCAGCACTTGTGTGTGAATGAAGCTGTGCTCAAGTTCAAACTT 1190
Db TTTGGGCTGTGACCCAGCACTTGTGTGTGAATGAAGCTGTGCTCAAGTTCAAACTT 1140

Qy 1191 CGACGCCAAGATTTCAAAACCCAGCTCACTCATCCACCCGAGCATTTCCCTGCTC 1250
Db CGACGCCAAGATTTCAAAACCCAGCTCACTCATCCACCCGAGCATTTCCCTGCTC 1200
Qy 1251 AACGATTTCCGCTGTGAAGAGAGGCGCCACCCCTCACTGTGCGCATGGTTCAAGGTGA 1310
Db AACGATTTCCGCTGTGAAGAGAGGCGCCACCCCTCACTGTGCGCATGGTTCAAGGTGA 1260
Qy 1311 TGCTCTCAAGTACAGCTCCGTCAGAGAGAGTGGCAGAGAGAGTGCATTTACT 1370
Db TGCTCTCAAGTACAGCTCCGTCAGAGAGAGTGGCAGAGAGAGTGCATTTACT 1320
Qy 1371 TGCATCTTGAGAAATTCATAGTTAGGCGCTGACAGTTCCTCACTTCAGAGAGCGTG 1430
Db TGCATCTTGAGAAATTCATAGTTAGGCGCTGACAGTTCCTCACTTCAGAGAGCGTG 1380
Qy 1431 CAGAGTACAGAGAGAGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1490
Db CAGAGTACAGAGAGAGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1440
Qy 1491 CCAGAAATCATCTTCTTGAAACAGGCTCTGCGCATCCGATGAAGATTGAAATGTCACT 1550
Db CCAGAAATCATCTTCTTGAAACAGGCTCTGCGCATCCGATGAAGATTGAAATGTCACT 1500
Qy 1551 GCCACACTTGTCAACATAGCCCGGACAGTCTCTGCTACTGACTGTGTGAGGCGACA 1610
Db GCCACACTTGTCAACATAGCCCGGACAGTCTCTGCTACTGACTGTGTGAGGCGACA 1560
Qy 1611 TTTGGGCGAGCTGTGCGCTCATTTACGAGACAGAGTGGGACAGGCTCTGGGCGAC 1670
Db TTTGGGCGAGCTGTGCGCTCATTTACGAGACAGAGTGGGACAGGCTCTGGGCGAC 1620
Qy 1671 GCTGTGTTGTGTCCACCTGACGAGATCAACACAGGCTTCACTTGTGCTGTGCTG 1730
Db GCTGTGTTGTGTCCACCTGACGAGATCAACACAGGCTTCACTTGTGCTGTGCTG 1680
Qy 1731 CAGAGAGAACGCGCTTGGCATCTTTGGAAAGCCGCTTCACTTGTGCTGTGCTG 1790
Db CAGAGAGAACGCGCTTGGCATCTTTGGAAAGCCGCTTCACTTGTGCTGTGCTG 1740
Qy 1791 CCCAACAGCTCAAGGCTGTGCTCCAGAGTACCAACCAATGCGAGAGAGTCCGCGAC 1850
Db CCCAACAGCTCAAGGCTGTGCTCCAGAGTACCAACCAATGCGAGAGAGTCCGCGAC 1800
Qy 1851 CACATCAATGATATTCCTGCAAGATGCTTCAAGAGAGGAGTGAATCTCAGTCTGCA 1910
Db CACATCAATGATATTCCTGCAAGATGCTTCAAGAGAGGAGTGAATCTCAGTCTGCA 1860
Qy 1911 GTGAAAGATGATAGTTGCTGTGCGAACATGTGATTTGAAAGAGTTTCAAGCTGT 1970
Db GTGAAAGATGATAGTTGCTGTGCGAACATGTGATTTGAAAGAGTTTCAAGCTGT 1920
Qy 1971 CTGTGTGCGGCACTGCAAGATGCTGTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 2030
Db CTGTGTGCGGCACTGCAAGATGCTGTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 1980
Qy 2031 GTGTGTATTTCCGGGAGACCAAGCCCTGCGAGGCTCTGTGTGCGAGTGGGAAAGTGC 2090
Db GTGTGTATTTCCGGGAGACCAAGCCCTGCGAGGCTCTGTGTGCGAGTGGGAAAGTGC 2040
Qy 2091 ACCCTCTGATATCATGAAACCACTGTAAGATGTTTGAAGAGAGACAGTGAAG 2150
Db ACCCTCTGATATCATGAAACCACTGTAAGATGTTTGAAGAGAGACAGTGAAG 2100
Qy 2151 ACAACAGCAACAAGTCCCAAGCATCAGCGTGGGATGCGGATGAACCGGAGTTCAAT 2210
Db ACAACAGCAACAAGTCCCAAGCATCAGCGTGGGATGCGGATGAACCGGAGTTCAAT 2160
Qy 2211 ATGTGAAACCACTTCAAGCGAGGCTATGCAAGGTCCCTCTTCAAGCCCACTTCAAG 2270
Db ATGTGAAACCACTTCAAGCGAGGCTATGCAAGGTCCCTCTTCAAGCCCACTTCAAG 2220
Qy 2271 GAGAAAGTGGAGTGTCTTGAACAACATGAAGGTCTGCTTGGAGACTTTCACAAATG 2330


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Db      1321 TGCATCTCTGAGAAATTCTAGTTGAGCGCTGACGCTTCCCACTTCCAGACGAGCGTG 1380
Qy      1431 CAGGAGTACAGAGAGAGTGCAGAGACGGCCCGACGCCAGAGAAAGAAAGTCACTAC 1490
Db      1381 CAGGAGTACAGAGAGAGTGCAGAGACGGCCCGACGCCAGAGAAAGAAAGTCACTAC 1440
Qy      1491 CCAGAAATCATCTTCTTGGAACAGGGTCTGCCATCCGATGAAGATTGAAATGTCACT 1550
Db      1441 CCAGAAATCATCTTCTTGGAACAGGGTCTGCCATCCGATGAAGATTGAAATGTCACT 1500
Qy      1551 GCCACACTTGTCACTAAGACCCCGACAGCTCTCTCTCTGATCTGATCTGATGAGGACAA 1610
Db      1501 GCCACACTTGTCACTAAGACCCCGACAGCTCTCTCTCTGATCTGATGATGAGGACAA 1560
Qy      1611 TTGGGCACTGTGCGCTGATTAACGAGACCAAGTGAAGAGGCTCTGGGCACTCTGAGCT 1670
Db      1561 TTGGGCACTGTGCGCTGATTAACGAGACCAAGTGAAGAGGCTCTGGGCACTCTGAGCT 1620
Qy      1671 GCTGTGTGTGTCTCCACCTGACAGGAGTCAACACAGGCGCTTGCAGAGTATCTTGTCTG 1730
Db      1621 GCTGTGTGTGTCTCCACCTGACAGGAGTCAACACAGGCGCTTGCAGAGTATCTTGTCTG 1680
Qy      1731 CAGAGAGAAAGCGGCTCTGGGATCTTGGGAAAGCGGCTTCACTCTGCTGCTGCTGCTG 1790
Db      1681 CAGAGAGAAAGCGGCTCTGGGATCTTGGGAAAGCGGCTTCACTCTGCTGCTGCTGCTG 1740
Qy      1791 CCCAACCACTCAAGAGCTGCGCTCCAGAGTACCAACAGAGGAGGAGGCTCTGAC 1850
Db      1741 CCCAACCACTCAAGAGCTGCGCTCCAGAGTACCAACAGAGGAGGAGGCTCTGAC 1800
Qy      1851 CACATCATGATGATATCTCTGCAAAATGCTTTCAGAGAGGAGGCTGAGATCTTCACTCTGCA 1910
Db      1801 CACATCATGATGATATCTCTGCAAAATGCTTTCAGAGAGGAGGCTGAGATCTTCACTCTGCA 1860
Qy      1911 GTGGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1970
Db      1861 GTGGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1920
Qy      1971 CTGGTGGGCACTGCAAGAGATGGCTTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGGAA 2030
Db      1921 CTGGTGGGCACTGCAAGAGATGGCTTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGGAA 1980
Qy      2031 GTGGTCTATTTCCGGGAGACATGATGCTGCGAGAGCTCTGGTCCGATGGGAGAAATGCTC 2090
Db      1981 GTGGTCTATTTCCGGGAGACATGATGCTGCGAGAGCTCTGGTCCGATGGGAGAAATGCTC 2040
Qy      2091 ACCCTCTCTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2150
Db      2041 ACCCTCTCTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2100
Qy      2151 AACACAGAGACAAAGTCCCAAGCATCAGGCTGTGGGATGCGAGTGAACGCGAGGATCTATT 2210
Db      2101 AACACAGAGACAAAGTCCCAAGCATCAGGCTGTGGGATGCGAGTGAACGCGAGGATCTATT 2160
Qy      2211 ATGCTGAACCACTTCAAGCAGCGCTATGCAAGGTCCCTCTTCAAGCCCACTTCAAG 2270
Db      2161 ATGCTGAACCACTTCAAGCAGCGCTATGCAAGGTCCCTCTTCAAGCCCACTTCAAG 2220
Qy      2271 GAGAAAGTGGAGTGTCTTTGACCAATGAGGTCTGCTTTGAGAACCTTTCAACAAATG 2330
Db      2221 GAGAAAGTGGAGTGTCTTTGACCAATGAGGTCTGCTTTGAGAACCTTTCAACAAATG 2280
Qy      2331 CCCAACTGATTTCCCACTGAAAGCCGTTTGTCTGGGACATCCAGAGGATGAGGAG 2390
Db      2281 CCCAACTGATTTCCCACTGAAAGCCGTTTGTCTGGGACATCCAGAGGATGAGGAG 2340
Qy      2391 CGCAGGAGAGAGGAGGAGCTGCGGAGAGTGCAGGCGGCTCTCTGCTCAAGGAGCTGGA 2450
Db      2341 CGCAGGAGAGAGGAGGAGCTGCGGAGAGTGCAGGCGGCTCTCTGCTCAAGGAGCTGGA 2400
Qy      2451 GCGGAGCTGAGAGATGGGAGGCTTCAAGCAGAAAGCGGAGCCCAACAGAGAGCCACAGGCC 2510
Db      2401 GCGGAGCTGAGAGATGGGAGGCTTCAAGCAGAAAGCGGAGCCCAACAGAGAGCCACAGGCC 2460

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Qy      2511 AAGAGGTCAAGGCCCACTGA 2531
Db      2461 AAGAGGTCAAGGCCCACTGA 2481

RESULT 13
US-09-988-686-1
; Sequence 1, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavligian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,686
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2481
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-988-686-1

Query Match      83.9%; Score 2481; DB 11; Length 2481;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2481; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      51  ATGTGGGCGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 110
Db      1  ATGTGGGCGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60

Qy      111 ACCATATGCGCAGGACACCGCCCGCGCGAGCGGCGCGCAAGAACCCGCTGCGGACCTG 170
Db      61 ACCATATGCGCAGGACACCGCCCGCGCGAGCGGCGCGCAAGAACCCGCTGCGGACCTG 120

Qy      171 CGCAGCGAGAGAAACGCGGAGACCGTCCGAGGTGCTCCGCGCGCCCAACACCGTGTACTTG 230
Db      121 CGCAGCGAGAGAAACGCGGAGACCGTCCGAGGTGCTCCGCGCGCCCAACACCGTGTACTTG 180

Qy      231 CAGGTGTGGAGCGGAGTACCGGGAATCGGAGCGCGCGCTTCAAGTCTTCTCCGAGTTT 290
Db      181 CAGGTGTGGAGCGGAGTACCGGGAATCGGAGCGCGCGCTTCAAGTCTTCTCCGAGTTT 240

Qy      291 AACCGGTATCTTTCATCTGTGGAAGAGCGCTTCAAGAGCTCATGAGGAGCAAGTTA 350
Db      241 AACCGGTATCTTTCATCTGTGGAAGAGCGCTTCAAGAGCTCATGAGGAGCAAGTTA 300

Qy      351 AAGGTGCTCGCTGAGCAACATATTTCTGACAGCAATGCACTGATGATGATGATGATGATG 410
Db      301 AAGGTGCTCGCTGAGCAACATATTTCTGACAGCAATGCACTGATGATGATGATGATGATG 360

Qy      411 TTAAGTGAATGATTTCTTAATTTAAAGAAACCGGCTTCAAGTGTACTTTCTGGA 470
Db      361 TTAAGTGAATGATTTCTTAATTTAAAGAAACCGGCTTCAAGTGTACTTTCTGGA 420

Qy      471 CCTCAACAATGGAATAATCTCGAAGATATCAAAATTTTCTGCTCAATTTGAAGA 530
Db      421 CCTCAACAATGGAATAATCTCGAAGATATCAAAATTTTCTGCTCAATTTGAAGA 480

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QY 531 ATAGAACTGCTGTCGGGCCCCCACTCTGCCCCGAGATACGAGATGAACCATGACAGT 590
 Db 481 ATAGAACTGCTGTCGGGCCCCCACTCTGCCCCGAGATACGAGATGAACCATGACAGT 540
 QY 591 TACCAAGATCCCAATACAGATGAACAGAGAGGGGAAAGACCAACCATGCGAGATCCA 650
 Db 541 TACCAAGATCCCAATACAGATGAACAGAGAGGGGAAAGACCAACCATGCGAGATCCA 600
 QY 651 GAAAGGCTCTCAGAGAGCTCAGTCCAGAGCGATCTTTCAGACTCCGAGTCCGAAATGAAT 710
 Db 601 GAAAGGCTCTCAGAGAGCTCAGTCCAGAGCGATCTTTCAGACTCCGAGTCCGAAATGAAT 660
 QY 711 GAGCCACACTCTCCCATGATGTTAGCCAGAGAGGGGTCAGGGACTCTTCCCTGCTC 770
 Db 661 GAGCCACACTCTCCCATGATGTTAGCCAGAGAGGGGTCAGGGACTCTTCCCTGCTC 720
 QY 771 GTAGCTTCACTGTGAAGCTTCACTTAAAGAGAGAACTTCTGTGTCTCAAGCAAG 830
 Db 721 GTAGCTTCACTGTGAAGCTTCACTTAAAGAGAGAACTTCTGTGTCTCAAGCAAG 780
 QY 831 GAGATGGGCTCTCCAGTGGGACAGTCCATGCTCCCATATGCTGCTCTCAAGAC 890
 Db 781 GAGATGGGCTCTCCAGTGGGACAGTCCATGCTCCCATATGCTGCTCTCAAGAC 840
 QY 891 GGGAAAGACATCACTCATGAAGAGAGAGATTTTGGCTGAAGAGCTGTCTCAAGCAAG 950
 Db 841 GGGAAAGACATCACTCATGAAGAGAGAGATTTTGGCTGAAGAGCTGTCTCTCA 900
 QY 951 GATCTGTGTCTCTTTTGTGTGTGTGAATGTCCAGATGAAGCTTCAATCAAGCAATC 1010
 Db 901 GATCTGTGTGTCTTTTGTGTGTGTGAATGTCCAGATGAAGCTTCAATCAAGCAATC 960
 QY 1011 TGTGGAATGCGACCTTTCAAGGATACCAAGAAAGGAGATGCCCCGTGCTTGGTG 1070
 Db 961 TGTGGAATGCGACCTTTCAAGGATACCAAGAAAGGAGATGCCCCGTGCTTGGTG 1020
 QY 1071 GTTCAATGAGCCCCGAGCATCTGTGCTGTGAACAGAGGTACAGAGATGAATGAGAG 1130
 Db 1021 GTTCAATGAGCCCCGAGCATCTGTGCTGTGAACAGAGGTACAGAGATGAATGAGAG 1080
 QY 1131 TTTGGGCTGACACCCAGACCTTGTCTGAATGAACCTGTGCTCAAGTTCACAACTT 1190
 Db 1081 TTTGGGCTGACACCCAGACCTTGTCTGAATGAACCTGTGCTCAAGTTCACAACTT 1140
 QY 1191 CGCAGCCACAGATTCAAACCCAGCTCAACCTCATCCACCCGAGACCTTCCCCCTGCTC 1250
 Db 1141 CGCAGCCACAGATTCAAACCCAGCTCAACCTCATCCACCCGAGACCTTCCCCCTGCTC 1200
 QY 1251 ACCAGTTTCCGCTGTAAGAGAGGGGCCCCACCTCAGTGTGCCATGTGTTCAAGGTGA 1310
 Db 1201 ACCAGTTTCCGCTGTAAGAGAGGGGCCCCACCTCAGTGTGCCATGTGTTCAAGGTGA 1260
 QY 1311 TGCCTCTCTCAAGTACAGCTCCGCTCCAGAGAGGATGCGAGAGGATGCTTAATTA 1370
 Db 1261 TGCCTCTCTCAAGTACAGCTCCGCTCCAGAGAGGATGCGAGAGGATGCTTAATTA 1320
 QY 1371 TGCATATCTGAGGAATTCATAGTTGAGGCGCTGCACTTCCCACTTCCAGAGAGCGTG 1430
 Db 1321 TGCATATCTGAGGAATTCATAGTTGAGGCGCTGCACTTCCCACTTCCAGAGAGCGTG 1380
 QY 1431 CAGAGATTCAGAGAGAGTCCGAGAGAGCGGCCAGGCCCAAGAGAAAGAGTCAAGTAC 1490
 Db 1381 CAGAGATTCAGAGAGAGTCCGAGAGAGCGGCCAGGCCCAAGAGAAAGAGTCAAGTAC 1440
 QY 1491 CCAGAAATCATCTTCTTGGAACAGGGTCTGCCATCCGATGAAGATTCGAATGTCAAGT 1550
 Db 1441 CCAGAAATCATCTTCTTGGAACAGGGTCTGCCATCCGATGAAGATTCGAATGTCAAGT 1500
 QY 1551 GCGACACCTTGTCAACATTAAGCCCCGACAGCTCTGTGCTACTGAGCTGTGTGAGGGCACA 1610
 Db 1501 GCGACACCTTGTCAACATTAAGCCCCGACAGCTCTGTGCTACTGAGCTGTGTGAGGGCACA 1560

QY 1611 TTTGGGACGCTGTGCTGCTCATTAACGAGACCAAGGTGACAGGGTCTGCGGACCTTGCT 1670
 Db 1561 TTTGGGACGCTGTGCTGCTCATTAACGAGACCAAGGTGACAGGGTCTGCGGACCTTGCT 1620
 QY 1671 GCTGTGTGTGTGCTCCACCTGACGCAATACCAACAGGGGCTTCCCAAGTATCTTGTG 1730
 Db 1621 GCTGTGTGTGTGCTCCACCTGACGCAATACCAACAGGGGCTTCCCAAGTATCTTGTG 1680
 QY 1731 CAGAGAGAGCGGCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTTGCTGGTGGTGGC 1790
 Db 1681 CAGAGAGAGCGGCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTTGCTGGTGGTGGC 1740
 QY 1791 CCCAACAGCTCAAGCCTGTGCTCCAGAGTACCAACCAAGTCCAGAGGTCCTGCAAC 1850
 Db 1741 CCCAACAGCTCAAGCCTGTGCTCCAGAGTACCAACCAAGTCCAGAGGTCCTGCAAC 1800
 QY 1851 CACATCAGTATGATTCCTGCAAAATGCTTCAAGAAAGGGGCTGAGATCTCCAGTCTGCA 1910
 Db 1801 CACATCAGTATGATTCCTGCAAAATGCTTCAAGAAAGGGGCTGAGATCTCCAGTCTGCA 1860
 QY 1911 GTGAAAGATGATGATGATGCTGCTGTGCAACATGATGTTGGAAGAGTTCAGACTGT 1970
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RESULT 14
 US-09-988-626-221
 ; Sequence 221, Application US/09988626
 ; Publication No. US20030044959A1
 ;
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavligian, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.
 APPLICANT: Myriad Genetics, Inc.
 TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
 FILE REFERENCE: 2318-258
 CURRENT APPLICATION NUMBER: US/09/988,626
 PRIOR FILING DATE: 2001-11-20
 PRIOR APPLICATION NUMBER: 09/564,805
 PRIOR FILING DATE: 2000-05-05
 PRIOR APPLICATION NUMBER: US 60/107,468
 PRIOR FILING DATE: 1998-11-06
 PRIOR APPLICATION NUMBER: 09/434,382
 PRIOR FILING DATE: 1999-11-05
 NUMBER OF SEQ ID NOS: 240
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 221
 LENGTH: 2470
 TYPE: DNA
 ORGANISM: Mus musculus
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (1)..(2466)
 US-09-988-626-221

Query Match 55.6%; Score 1645.6; DB 11; Length 2470;
 Best Local Similarity 81.6%; Pred. No. 0;
 Matches 1958; Conservative 0; Mismatches 417; Indels 24; Gaps 4;

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DB 1699 GCTCTTACCACTCAGAGGCTGAGCTGAGCAGATTCACACAGTCCAGAGAGATTCG
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 Qy 2028 AAAGTGTCTATTCGGGGGCAACCATGCTTCCGAGGCTGTGCTGTGCTGTGCTGTGCTGTGCT 2087
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RESULT 15
 US-09-988-687-221
 ; Sequence 221, Application US/09988687
 ; Publication No. US20030045704A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavtigian, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/988,687
 ; CURRENT FILING DATE: 2001-11-20
 ; PRIOR APPLICATION NUMBER: 09/564,805
 ; PRIOR FILING DATE: 2000-05-05
 ; PRIOR APPLICATION NUMBER: US 60/107,468
 ; PRIOR FILING DATE: 1998-11-06
 ; PRIOR APPLICATION NUMBER: 09/434,382
 ; PRIOR FILING DATE: 1999-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 221
 ; LENGTH: 2470
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (1)..(2466)

US-09-988-687-221
 Query Match 55.6%; Score 1645.6; DB 11; Length 2470;
 Best Local Similarity 81.6%; Pred. No. 0;
 Matches 1958; Conservative 0; Mismatches 417; Indels 24; Gaps 4;

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 Job time : 1098.82 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 13, 2004, 17:53:35 ; Search time 22 Seconds
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Perfect score: 4325
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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5	875.5	20.2	837	4	US-09-564-805-228
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8	599.5	13.9	838	3	US-09-389-341-52
9	599.5	13.9	838	4	US-09-564-805-229
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39	105	2.4	773	3	US-08-725-459B-3	Sequence 24, Appli
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ALIGNMENTS

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US-09-564-805-2
; Sequence 2, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavcigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 2
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-564-805-2
Query Match 100.0%; Score 4325; DB 4; Length 826;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 MMALCSLRSAAAGRTMSQGRITISQAPARRRPRKDPRLHLRTREKRGSGCGGNTVYL 60
1 MMALCSLRSAAAGRTMSQGRITISQAPARRRPRKDPRLHLRTREKRGSGCGGNTVYL 60
61 QVNAAGSRDGAALVVFSEFNRYLFCNCEGVQRLMOEHKLKVAARDNI FLTRMNSVVG 120
61 QVNAAGSRDGAALVVFSEFNRYLFCNCEGVQRLMOEHKLKVAARDNI FLTRMNSVVG 120
61 QVNAAGSRDGAALVVFSEFNRYLFCNCEGVQRLMOEHKLKVAARDNI FLTRMNSVVG 120
121 LSGMTLTKEKGLPRCVISGPPQLEKYLEAKITFSGPLKGLFLAVRPHSAPRYEDETMTV 180
121 LSGMTLTKEKGLPRCVISGPPQLEKYLEAKITFSGPLKGLFLAVRPHSAPRYEDETMTV 180
121 LSGMTLTKEKGLPRCVISGPPQLEKYLEAKITFSGPLKGLFLAVRPHSAPRYEDETMTV 180
181 VOIPHSQRGKQHPMOSPERPLSRSLSPSSDSESNENPHLPBGVSQRGVADSSILV 240
181 VOIPHSQRGKQHPMOSPERPLSRSLSPSSDSESNENPHLPBGVSQRGVADSSILV 240
181 VOIPHSQRGKQHPMOSPERPLSRSLSPSSDSESNENPHLPBGVSQRGVADSSILV 240
241 VAFICKLHLKGNFLVLAKKEMGLPVGTAAIAPITAAVVDKGSITHEGREITAEELCTPP 300
241 VAFICKLHLKGNFLVLAKKEMGLPVGTAAIAPITAAVVDKGSITHEGREITAEELCTPP 300
```

QY 301 DGAAFVVECEPDESFIOPICENATFORXOGKADAPVALVHMAPASVLDVSRYOQMMER 360
 DB 301 DGAAFVVECEPDESFIOPICENATFORXOGKADAPVALVHMAPASVLDVSRYOQMMER 360
 QY 361 FGPDTOHLVLENCSVHNLRSKHIQTOLNLIHPDIFFLLTSFRCKKGGPTLSVPMVOGE 420
 DB 361 FGPDTOHLVLENCSVHNLRSKHIQTOLNLIHPDIFFLLTSFRCKKGGPTLSVPMVOGE 420
 QY 421 CLKTKQLRRRREMOBPAITTCNPEEFIVETALQLPNFQOSVOEYRBSAODGPAERKSOY 480
 DB 421 CLKTKQLRRRREMOBPAITTCNPEEFIVETALQLPNFQOSVOEYRBSAODGPAERKSOY 480
 QY 481 PEIIFLGTSALPMKIRNVASATLVNISPDTSLLDCGEGTFCOLCRHNGDOVDRVLGTLA 540
 DB 481 PEIIFLGTSALPMKIRNVASATLVNISPDTSLLDCGEGTFCOLCRHNGDOVDRVLGTLA 540
 QY 541 AVFVSHLHADHTGTPSILLQERBALASLGKPLHPLVVAPOQLKAWLQOYHNOQOEVLH 600
 DB 541 AVFVSHLHADHTGTPSILLQERBALASLGKPLHPLVVAPOQLKAWLQOYHNOQOEVLH 600
 QY 601 HISMIPAKCLOGAEISSPAVERLLISLRTCDLEEFOTCLVRHCKHAFGCALVHTSGWK 660
 DB 601 HISMIPAKCLOGAEISSPAVERLLISLRTCDLEEFOTCLVRHCKHAFGCALVHTSGWK 660
 QY 661 VVYSGDTPCEALVYMGKDATLLIHEATLEDEGEAEVEXTSTTSQAISVGMNNAEFI 720
 DB 661 VVYSGDTPCEALVYMGKDATLLIHEATLEDEGEAEVEXTSTTSQAISVGMNNAEFI 720
 QY 721 MLNHSORAKYAPLPSPNSEKVGVAFDHMKVCFDGFPTMPKLIPLKALFAGDIEEMEE 780
 DB 721 MLNHSORAKYAPLPSPNSEKVGVAFDHMKVCFDGFPTMPKLIPLKALFAGDIEEMEE 780
 QY 781 REKRELQVRAALLSRELAGGLEDEGEPOQKRAHTEEPQAKKVRQA 826
 DB 781 REKRELQVRAALLSRELAGGLEDEGEPOQKRAHTEEPQAKKVRQA 826

RESULT 2

US-09-564-805-224
 ; Sequence 224, Application US/09564805
 ; Patent No. 6333403
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavligien, Sean V.
 ; APPLICANT: Teng, David H. F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/564, 805
 ; CURRENT FILING DATE: 2000-05-05
 ; PRIOR APPLICATION NUMBER: US 60/107,468
 ; PRIOR FILING DATE: 1998-11-06
 ; PRIOR APPLICATION NUMBER: 09/434,382
 ; PRIOR FILING DATE: 1998-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 224
 ; LENGTH: 826
 ; TYPE: PRT
 ; ORGANISM: Pan troglodytes
 ; US-09-564-805-224

Query Match

Best Local Similarity 98.9%; Pred. No. 0;
 Matches 817; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 1 MMALCULRSAGRTMSQGTISQAPARRPRKDPURHLRTKRGPSGSGGENTVYI 60
 DB 1 MMALCULRSAGRTMSQGTISQAPARRPRKDPURHLRTKRGPSGSGGENTVYI 60

QY 61 QVAAAGSDSAAALVYFSEFNRYLFCNGEGVQRLMOEHKLVYARLDNIPLTRHMSNVGC 120
 DB 61 QVAAAGSDSAAALVYFSEFNRYLFCNGEGVQRLMOEHKLVYARLDNIPLTRHMSNVGC 120
 QY 121 LSGMTLLTKETGLPKCVLSGPPQLEKYLEAIKISGPKIGIEIIVRPHSAPYEDEMTIV 180
 DB 121 LSGMTLLTKETGLPKCVLSGPPQLEKYLEAIKISGPKIGIEIIVRPHSAPYEDEMTIV 180
 QY 181 YQIPIHSEQRGKIQPMQSPERPLSRSPERSSDSESNENPHLPHGVSGRGVDSGLV 240
 DB 181 YQIPIHSEQRGKIQPMQSPERPLSRSPERSSDSESNENPHLPHGVSGRGVDSGLV 240
 QY 241 VAFICKLHKRGNFLVAKEMGLPVGTAAIAPITIAAVKDKSITHEREILAEELCTPP 300
 DB 241 VAFICKLHKRGNFLVAKEMGLPVGTAAIAPITIAAVKDKSITHEREILAEELCTPP 300
 QY 301 DGAAFVVECEPDESFIOPICENATFORXOGKADAPVALVHMAPASVLDVSRYOQMMER 360
 DB 301 DGAAFVVECEPDESFIOPICENATFORXOGKADAPVALVHMAPASVLDVSRYOQMMER 360
 QY 361 FGPDTOHLVLENCSVHNLRSKHIQTOLNLIHPDIFFLLTSFRCKKGGPTLSVPMVOGE 420
 DB 361 FGPDTOHLVLENCSVHNLRSKHIQTOLNLIHPDIFFLLTSFRCKKGGPTLSVPMVOGE 420
 QY 421 CLKTKQLRRRREMOBPAITTCNPEEFIVETALQLPNFQOSVOEYRBSAODGPAERKSOY 480
 DB 421 CLKTKQLRRRREMOBPAITTCNPEEFIVETALQLPNFQOSVOEYRBSAODGPAERKSOY 480
 QY 481 PEIIFLGTSALPMKIRNVASATLVNISPDTSLLDCGEGTFCOLCRHNGDOVDRVLGTLA 540
 DB 481 PEIIFLGTSALPMKIRNVASATLVNISPDTSLLDCGEGTFCOLCRHNGDOVDRVLGTLA 540
 QY 541 AVFVSHLHADHTGTPSILLQERBALASLGKPLHPLVVAPOQLKAWLQOYHNOQOEVLH 600
 DB 541 AVFVSHLHADHTGTPSILLQERBALASLGKPLHPLVVAPOQLKAWLQOYHNOQOEVLH 600
 QY 601 HISMIPAKCLOGAEISSPAVERLLISLRTCDLEEFOTCLVRHCKHAFGCALVHTSGWK 660
 DB 601 HISMIPAKCLOGAEISSPAVERLLISLRTCDLEEFOTCLVRHCKHAFGCALVHTSGWK 660
 QY 661 VVYSGDTPCEALVYMGKDATLLIHEATLEDEGEAEVEXTSTTSQAISVGMNNAEFI 720
 DB 661 VVYSGDTPCEALVYMGKDATLLIHEATLEDEGEAEVEXTSTTSQAISVGMNNAEFI 720
 QY 721 MLNHSORAKYAPLPSPNSEKVGVAFDHMKVCFDGFPTMPKLIPLKALFAGDIEEMEE 780
 DB 721 MLNHSORAKYAPLPSPNSEKVGVAFDHMKVCFDGFPTMPKLIPLKALFAGDIEEMEE 780
 QY 781 REKRELQVRAALLSRELAGGLEDEGEPOQKRAHTEEPQAKKVRQA 826
 DB 781 REKRELQVRAALLSRELAGGLEDEGEPOQKRAHTEEPQAKKVRQA 826

RESULT 3

US-09-564-805-226
 ; Sequence 226, Application US/09564805
 ; Patent No. 6333403
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavligien, Sean V.
 ; APPLICANT: Teng, David H. F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/564, 805
 ; CURRENT FILING DATE: 2000-05-05
 ; PRIOR APPLICATION NUMBER: US 60/107,468
 ; PRIOR FILING DATE: 1998-11-06
 ; PRIOR APPLICATION NUMBER: 09/434,382
 ; PRIOR FILING DATE: 1998-11-05
 ; NUMBER OF SEQ ID NOS: 240

SOFTWARE: Patentin Ver. 2.0
 SEQ ID NO 226
 LENGTH: 826
 TYPE: PR
 ORGANISM: Gorilla gorilla
 US-09-564-805-226

Query Match 98.5%; Score 4261; DB 4; Length 826;
 Best Local Similarity 98.5%; Pred. No. 0;
 Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

QY 1 MMALCSLRSAAGRTMSQRTISQAPARERPRKDPPLHLRTREKRGSGSGGNTYTL 60
 DB 1 MMALCSLRSAAGRTMSQRTISQAPARERPRKDPPLHLRTREKRGSGSGGNTYTL 60
 QY 61 QVAAAGSDGSAALVVFSEFNRYLFCNCGVQRLMOEHKLVARLDNI FLTMHMSNVGG 120
 DB 61 QVAAAGSDGSAALVVFSEFNRYLFCNCGVQRLMOEHKLVARLDNI FLTMHMSNVGG 120
 QY 121 LSGMILITKETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPRYEDETMTV 180
 DB 121 LSGMILITKETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPRYEDETMTV 180
 QY 181 YQIPHSORRGKQHPWQSPERPLSRSPSSDSSESNENEPHLPHGVQSRGVSDSLV 240
 DB 181 YQIPHSORRGKQHPWQSPERPLSRSPSSDSSESNENEPHLPHGVQSRGVSDSLV 240
 QY 241 VAFICLHLKRGNFVLAKEMGLPVGTAAIPITIAVVDGKSIHGEELAEELCTPP 300
 DB 241 VAFICLHLKRGNFVLAKEMGLPVGTAAIPITIAVVDGKSIHGEELAEELCTPP 300
 QY 301 DPGAFAVVECEPDESFIOPIECENATFORVQKADAPVALVVMAPASVYVDSRYQOMMER 360
 DB 301 DPGAFAVVECEPDESFIOPIECENATFORVQKADAPVALVVMAPASVYVDSRYQOMMER 360
 QY 361 FGPDTQHLVLENCAVHNLRSKIQOTQNLHDPILPILTSFRCKKEGPTLSVPMVOGE 420
 DB 361 FGPDTQHLVLENCAVHNLRSKIQOTQNLHDPILPILTSFRCKKEGPTLSVPMVOGE 420
 QY 421 CLTKQALPREMOWDAITTCNPEEFIVEALQLPNFQOSVOERYRSVDVPAAREKSOY 480
 DB 421 CLTKQALPREMOWDAITTCNPEEFIVEALQLPNFQOSVOERYRSVDVPAAREKSOY 480
 QY 481 PEIIFLGTSALPMKIRNVSATLVNISPTSLILDCGEGTFCQLCRHYGDOVDRLVGLTA 540
 DB 481 PEIIFLGTSALPMKIRNVSATLVNISPTSLILDCGEGTFCQLCRHYGDOVDRLVGLTA 540
 QY 541 AVFVSHLHADHTGLPSILLORERALSIGKPLHPLVVAPOQLKAMLOQYHNOQCEVLA 600
 DB 541 AVFVSHLHADHTGLPSILLORERALSIGKPLHPLVVAPOQLKAMLOQYHNOQCEVLA 600
 QY 601 HISMPACLOEGALISSPAVERLISLLRTCDLEEFQCLVRHCKHAFGCLVHTSGMK 660
 DB 601 HISMPACLOEGALISSPAVERLISLLRTCDLEEFQCLVRHCKHAFGCLVHTSGMK 660
 QY 661 VVYSGDTMPCBALVOMGKDATLLIHEATLEBDLLEEAVERKTHSTTSQALSVGRANAEFI 720
 DB 661 VVYSGDTMPCBALVOMGKDATLLIHEATLEBDLLEEAVERKTHSTTSQALSVGRANAEFI 720
 QY 721 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFQDFPTMPLDPLKALFAGDIEEMEE 780
 DB 721 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFQDFPTMPLDPLKALFAGDIEEMEE 780
 QY 781 RREKRELOVRAALISRELAGEDEGEPOQRAHTEEPQAKKVRQ 826
 DB 781 RREKRELOVRAALISRELAGEDEGEPOQRAHTEEPQAKKVRQ 826

RESULT 4
 US-09-564-805-222
 Sequence 222, Application US/09564805
 Patent No. 6333403
 GENERAL INFORMATION:

APPLICANT: Tavtigian, Sean V.
 APPLICANT: Teng, David H.F.
 APPLICANT: Simard, Jacques
 APPLICANT: Rommens, Johanna M.
 APPLICANT: Myriad Genetics, Inc.
 TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 FILE REFERENCE: 2318-258
 CURRENT APPLICATION NUMBER: US/09/564,805
 PRIOR FILING DATE: 1998-11-06
 PRIOR APPLICATION NUMBER: 09/434,382
 NUMBER OF SEQ ID NOS: 240
 SOFTWARE: Patentin Ver. 2.0
 SEQ ID NO 222
 LENGTH: 822
 TYPE: PR
 ORGANISM: Mus musculus
 US-09-564-805-222

Query Match 80.3%; Score 3473.5; DB 4; Length 822;
 Best Local Similarity 80.5%; Pred. No. 0;
 Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6;

QY 1 MMALCSLRSAAGRTMSQRTISQAPARERPRKDPPLHLRTREKRGSGSGGNTYTL 60
 DB 1 MMALCSLRSAAGRTMSQRTISQAPARERPRKDPPLHLRTREKRGSGSGGNTYTL 60
 QY 61 QVAAAGSDGSAALVVFSEFNRYLFCNCGVQRLMOEHKLVARLDNI FLTMHMSNVGG 120
 DB 61 QVAAAGSDGSAALVVFSEFNRYLFCNCGVQRLMOEHKLVARLDNI FLTMHMSNVGG 120
 QY 121 LSGMILITKETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPRYEDETMTV 180
 DB 121 LSGMILITKETGPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPRYEDETMTV 180
 QY 181 YQIPHSORRGKQHPWQSPERPLSRSPSSDSSESNENEPHLPHGVQSRGVSDSLV 240
 DB 181 YQIPHSORRGKQHPWQSPERPLSRSPSSDSSESNENEPHLPHGVQSRGVSDSLV 240
 QY 241 VAFICLHLKRGNFVLAKEMGLPVGTAAIPITIAVVDGKSIHGEELAEELCTPP 300
 DB 241 VAFICLHLKRGNFVLAKEMGLPVGTAAIPITIAVVDGKSIHGEELAEELCTPP 300
 QY 301 DPGAFAVVECEPDESFIOPIECENATFORVQKADAPVALVVMAPASVYVDSRYQOMMER 360
 DB 301 DPGAFAVVECEPDESFIOPIECENATFORVQKADAPVALVVMAPASVYVDSRYQOMMER 360
 QY 361 FGPDTQHLVLENCAVHNLRSKIQOTQNLHDPILPILTSFRCKKEGPTLSVPMVOGE 420
 DB 361 FGPDTQHLVLENCAVHNLRSKIQOTQNLHDPILPILTSFRCKKEGPTLSVPMVOGE 420
 QY 421 CLTKQALPREMOWDAITTCNPEEFIVEALQLPNFQOSVOERYRSVDVPAAREKSOY 480
 DB 421 CLTKQALPREMOWDAITTCNPEEFIVEALQLPNFQOSVOERYRSVDVPAAREKSOY 480
 QY 481 PEIIFLGTSALPMKIRNVSATLVNISPTSLILDCGEGTFCQLCRHYGDOVDRLVGLTA 540
 DB 481 PEIIFLGTSALPMKIRNVSATLVNISPTSLILDCGEGTFCQLCRHYGDOVDRLVGLTA 540
 QY 541 AVFVSHLHADHTGLPSILLORERALSIGKPLHPLVVAPOQLKAMLOQYHNOQCEVLA 600
 DB 541 AVFVSHLHADHTGLPSILLORERALSIGKPLHPLVVAPOQLKAMLOQYHNOQCEVLA 600
 QY 601 HISMPACLOEGALISSPAVERLISLLRTCDLEEFQCLVRHCKHAFGCLVHTSGMK 660
 DB 601 HISMPACLOEGALISSPAVERLISLLRTCDLEEFQCLVRHCKHAFGCLVHTSGMK 660
 QY 661 VVYSGDTMPCBALVOMGKDATLLIHEATLEBDLLEEAVERKTHSTTSQALSVGRANAEFI 720
 DB 661 VVYSGDTMPCBALVOMGKDATLLIHEATLEBDLLEEAVERKTHSTTSQALSVGRANAEFI 720
 QY 721 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFQDFPTMPLDPLKALFAGDIEEMEE 780
 DB 721 MLNHSQRYAKVPLFSPNFSEKVGVAFDHMKVCFQDFPTMPLDPLKALFAGDIEEMEE 780
 QY 781 RREKRELOVRAALISRELAGEDEGEPOQRAHTEEPQAKKVRQ 826
 DB 781 RREKRELOVRAALISRELAGEDEGEPOQRAHTEEPQAKKVRQ 826

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QY 720 IMLNHSORVAKVPLFSPNFSKVGAFDMKVCFGDPFTMPKLIIPPLKALFAGDIEEM 779
DB 707 IMLNHSORVAKVPLFSPNFSKVGAFDMKVCFGDPFTMPKLIIPPLKALFAGDIEEM 766
QY 760 EREKRELRQVRAALISRELAGELEDEBPQKRAHTEE---DQAK 822
DB 767 EREKRELRQVRAALISRELAGELEDEBPQKRAHTEE---DQAK 811

RESULT 5
US-09-564-805-228
; Sequence 228, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 228
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; US-09-564-805-228

Query Match 20.2%; Score 875.5; DB 4; Length 837;
Best Local Similarity 29.4%; Pred. No. 2,4e-76;
Matches 250; Conservative 188; Mismatches 297; Indels 175; Gaps 28;

QY 41 RTREKRGSGSGGSPNTV-YLQVVAAG--SRDSGALVYFSEFNRYLNCGEGVQRLMOE 97
DB 39 RSGQKLNPT-----NTIYAQAQLGTGMDTPTSSVLLFPKORIFNAGBGLQFCTE 92
QY 98 HGLKARLDNITLTRHMSNVGSLSMITLK---ETGPKCVLSPPLEKYLEIKTF 154
DB 93 HKIKLSKIDHVLSPVCSSTAGLPGLTLTLAGIGEGSLVNVW-GPSDLNLYVDMKSF 151
QY 155 SGPPLKGIEL-AVRPHSAPE---YEDETWTYQI---PIHSRQRGKHQPMQSPERPLSR 206
DB 152 TRRAMVHTRSFGSPSTPPYLVNDEVVKISILIKPHSBE----- 194
QY 207 LSPERSDSSESNENEPHLPHGVSGRRGVDSILVAFICKLHKRGNFTVLAKEN-GLP 265
DB 195 -----DS-----GNKSGDLVVYVCELPEILCKFLERAKKVFYGVK 230
QY 266 VGTAAIAPILIAAVKOKSITHEKREILA--BELCTPPDGAAFVNVCEDESFIOICEN 323
DB 231 PG-----PKYSRLQSGESVKSDEKIDITVAPSDVMGSLGPIVYLVDCTESHAAELFSL 285
QY 324 ATRFORQKADAP-----VALVVAHPASVLDNRQYQOMERFEGDTHLV----- 369
DB 286 KSLSESYSPDEQTTAKFVNCIIHLSFSSVTSSPTFYQSMKKFHL-TQHIIAGHORFLP 344
QY 370 -----LNENCASVHNLRSKHIQIOLNLIHPDIPLILTSFRCKKSGPTLSVPMVOG 419
DB 345 LLIIVSHQTKVRKNAFPLKASRIARLNLVCPQFPAPGFWPQQLTDNSIIDTPSN 404
QY 420 ECLIKYQLRP--RREQRDAIITCNPEEFVEAL--QLNFGQSVQVEYR--SAQDGPAP 473
DB 405 -----KENLRPVAIRGIDRSCIPAPLITSSSEVDELSEIPEIKDKSEIIRQFMNKHNTKI 460

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QY 474 AEK-----RSQYPEIIFLGTSALPINKINVSATLVNISBPTSLLDC 516
DB 461 IEKMLSECNATVLPNCLEKIRRDMEIYILGTSSQPSKYNVSAIFIDLSRGSLLDC 520
QY 517 GEGTGGQICRHYG--DQVNRVIGTLAAVFSVSHLDHHTGLPSILQRRALASLGKPLRP 575
DB 521 GEGTGGQICRHYG--DQVNRVIGTLAAVFSVSHLDHHTGLPSILQRRALASLGKPLRP 578
QY 576 LLVVAPOKAKMLQOYHNCQCEVLHHSIMIPAKC-----LOEGAEI----- 618
DB 579 VIVGPRPLKRFDAYQR-----LEDLMEFLDCKSTTATSWASLESGBEAGSLFTQGS 633
QY 619 PAVE-----RLISSLRPCDLEEFOTCLVRRCKAIFGALVHTS--- 657
DB 634 PMQSVFKRSDISMNDSVILCLIKVLSEIGLNDLISFPVHCPQAYGVVIAKAEERN 693
QY 658 -----GMKVYSGDTPMCEALVRCMDATLLIHEATLEDEGLBEAEVKTSTSOAIS 710
DB 694 SVGEQILGMKVYSGDTPMCEALVRCMDATLLIHEATLEDEGLBEAEVKTSTSOAIS 753
QY 711 VGMRNAEFIMLNHSORVAKVPLFSPNFSKVGAFDMKVCFGDPFTMPKLIIPPLKAL 770
DB 754 VGSAAVYRIYVLTSHSQRYPKIPIVDESHMENTCIAFLMSINMADLHVLPVLYPFTL 813
QY 771 FAGDIEEMEE 780
DB 814 FDEWVEDDED 823

RESULT 6
US-09-564-805-227
; Sequence 227, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 227
; LENGTH: 844
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
; US-09-564-805-227

Query Match 17.6%; Score 760; DB 4; Length 844;
Best Local Similarity 26.6%; Pred. No. 4,9e-65;
Matches 226; Conservative 175; Mismatches 324; Indels 126; Gaps 29;

QY 9 RSAAGRTWSQRTTISQAPARERPRKDLRH---LRTREKRGSGSGG---PNTVYL 60
DB 36 RIARRRRILOKHSSHLKARBNASISNLRQMAVQKQKAHBPANISVINISQVSI 95
QY 61 QVVAAGSRDSGALVYFSEFNRYLNCGEGVQRLMOEHKYLKARLDNITLTRHMSNVG 120
DB 96 EVLGAGTGILRACFTILRPLKTYMNCBENACRFLMQLIRSSVVDLFTSANMDNLAG 155
QY 121 LSGMITLTKETGLPKCVLSGPPQLEKYLEAIKIFSGPLKG-----IELAVRPHSAPEYED 175
DB 156 ISSIILS-KESALATRLHAGMANIGHFLECIRFPQDSVQSGSKYSQVEERYTYMENTYED 214
QY 176 EMTVYQIPIHSEQRGKHQPMQSPERPLSRSLSPSSDSSESNENEPHLPHGVSGRRGV 235

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Db      215 AGKATYVPL-----SP-PLN-----IGSNERSKN-----VK 241
Qy      236 DSSLVATICKLHNRGNFLVKAKEMGIPVGTAAIAPIAAVKQKST-HEGREILAE 294
      242 VNNVDIALIEKKAARIIDTMKLMELKVPKGS-----PLIGLKSGEAVTLPDGTTQPD 296
Qy      295 ELCTP--PDCGAFFVVECPDESEFIOPICENATFORQYOKADAVALLVHNAFASVLDV 351
      297 QVSSSDKVEGDKPILLTVECTEDHVKALIDSSSQPFL-NGEKOLDVYVHISDAVINT 355
Db      352 SRYQOMMRP-GRDQVHLVLENCSVHNLRS-HKIQOLNIHDPILPLTSFKCKEG 409
      356 PTRYHLMKLNPSITLHLLINGNVPVIAVESVYHTRILRSIAPSLPALHPI----- 409
Qy      410 PLSVPMVOGECILKYQ-----LRP-BREMORDAIITCNPEEFIVEALQ-----PNFQ 458
      410 -DWSGITQNELSQRQDQFIRVAPMORYMNRG-ASFNEEPTVNNLLAEPESDKAE 467
Db      459 SVOEYRSGAODGAPAEKRSQYBEITFLGTGSAIPMKIRNVSATLVNISPTSLLDGCE 518
      468 LIKEYOALEKENKMCCE-----FPKLFPGTSSAVPSKRYNVTGYLVASSENALLIDVGE 523
Qy      519 GTFQGLCHYG-DQVDRVLGTLAAVFSHLADHTGTPSILQREBALASIGKPLHPL 577
      524 GTYGQMRVAFGEDEGKOLLVNLINCYLITHAQDHNMGLYTLIARRKEAFESIGAFYRPLV 583
Db      578 VVAPRQLKAMIQOYVNOGOEVLHISMT-----PAKLOGSAEISSP----- 619
      584 LVGNRNVLKPKMTY-SIGPENIEHLEIVDISRYLTPPGSGGPPGKPRPSIHLPPS 642
Qy      620 --AVERLISL-LRTCDLEEFQTCVLRHCKAFCGALVHTSGMKVYSGDTWPCALVRM 676
      643 RDVLQDMSSSPFKMKMDLDELKAVQVHHTRMANG-FWKRVAKRIYVSGDTPCOLLVB 701
Db      677 GKDATLLIHEATLEDGL-----BEAVKTHSTTSQASVGMMAEF 719
      702 GKDAVNLVHESFEDEGHVDMPKPKKLAKISLADMRKHSITMGQAVDVGKMNKAKH 761
Qy      720 IMLNFSQRVAKVPLFSPNF--SEKVGVAFDMKVCFGDFPMPKLIPLKALFPGDIE 777
      762 IILHFSARYPVPVL-PEYLDKENIGVAMDRLVRFHLPLVSKLLPFREVFVAELFE 820
Db      778 MEEREKRELR 788
      821 LTIKKEGRVLK 831
Qy      821 LTIKKEGRVLK 831

RESULT 7
US-09-315-794-52
; Sequence 52, Application US/09315794
; Patent No. 6197517
; GENERAL INFORMATION:
; APPLICANT: Roberts, Christopher J.
; TITLE OF INVENTION: ESSENTIAL GENES OF YEAST AS TARGETS FOR ANTIFUNGAL
; TITLE OF INVENTION: AGENTS, HERBICIDES, INSECTICIDES AND ANTI-PROLIFERATION
; TITLE OF INVENTION: DRUGS
; FILE REFERENCE: 9301-053
; CURRENT APPLICATION NUMBER: US/09/315,794
; CURRENT FILING DATE: 1999-05-21
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 52
; LENGTH: 838
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-09-315-794-52

Query Match      13.9%; Score 599.5; DB 3; Length 838;
Best Local Similarity 25.7%; Pred. No. 2.5e-49;
Matches 221; Conservative 138; Mismatches 290; Indels 211; Gaps 36;
Qy      82 RYLF-NGEGVQRLMQEHKLVKVARLDNIFLT-RHMSNVGSLGSMILTLKETGLPKCVLS 139

```

```

Db      28 KYFFEKIGEGSQRSITENKIRISKDKDIFLTGELNMSIGGIPGMITLADQKSNLVLIH 87
Qy      140 GPPOLEKLEAIKIFSGPLGIELAVRPHSAPE--YEDEMTTVQIPI---HSRGRGK 193
      88 YGNDILNIYVSTWRYFVRFGIDL--NDHMKDEKVEYKOKIIAVSFNVLKKGGEIDRIGV 145
Qy      194 HQPMOS-----PERPLSRSPERSSDSESNENBPLPHGVSQRGRVDSISLV 241
      146 FDSFGVGLRGIIVAKMPKKAFTORYPD--SSDPHLNVELPDL-----DAKVEV 192
Db      242 AFICLHLK-RGNFLVKAKEMGIPVGTAAIAPIAAVKQKST-HEGREILAEICT 298
      193 STNVEISFSPYRKGKKEVEAIKLGVPKG-----PLFALTLTGQITILLNGIIVTVEQVLE 247
Qy      299 PPDGAFFVVECPDESEFIOPICENATFORQYOKADAVALLVHNAFASVLDVSRYQOMM 358
      248 NERHFAKVLIIIDIPDLVL---NAFVEKRDYDCAELGMVYFLGDEVITINDNLPAPFI 302
Db      359 ERFGPDQHLVLENCSVHNLRSHKIQOLNIHDPILPL-----LTSFRCK----- 406
      303 DIFE-----KNNYGVNMMISH-----NKISPNITISFGSALLTLKXKALQVNNYN 348
Qy      407 --KSGPTLS-----VPMVOGECILKYQLRPRE-----WORDAIITCNP----- 443
      349 LPKTDVPSKDFYRFDPLRSIGTSMCKSQEELPNTIIEKONIHIFSONKVTTFEPFRMN 408
Db      444 -----EEFIVEALQLP-----NFOOSVQYRSGAODGAPRA 474
      409 EEPKCNINGEVADEFSWOEIFEEN-VKPLEPPLADVDTVINNOHLVDNPNNSAE----- 461
Qy      475 EKSQYPEIIFLGTSALPMKIRNVSATLVNI-----SPDLSILLDCEGTFQGLCR 526
      462 --KKHNVYIITLGTSSALPSKYRVNVSTLVKVPFTDAGQNTINRMIMDAGEHTIGTTHR 519
Db      527 HYGD-QVDRVLGTLAAVFSHLADHTGTPSILQREBALASIGKPLHPLVVAPOK 585
      520 MFSQLAVSIFQDLMKIVYLSHLADHHLGISVL--NEWYKYNKDETSYIVVTP----- 573
Qy      586 AMLQOYHN-----QOEVLHISMTPA-----KCLQEGA- 614
      574 -W-QYHFNVENWLVLENKEILKRIKYSCHEFINDSFVRMOTOSVPLAEFNEILKESNN 630
Db      615 -----EISSPAYER--LISLRTCDLEEFQTCVLRHCKAFCGALV-----HT 656
      631 QESNRKLELDSDSRYVDLIRQMYEDLSIFQTCRAIHCDMAYSNSITRMDENNBNH 690
Qy      657 SGWKVYSGDTMPC--EALVBMGKDATLLIHEATLEDGLEEBAVEKTHSTTSQASISVGR 714
      691 T-FKVSYSQDTRPNIEKFSLEIGVNSDLIHEATLENQLIDAVYKKGKCTINEAIGVSNK 749
Qy      715 MNAEFIMLNHFSQRVAKVPLFSPN---FSEKVGVAFDMKVCFGDFPMPKLIPLKALF 771
      750 MNAKLIILHFSQRPKLPOLDNNDIVARECFADSMIVYEXKIGEQORIPPLNRAF 809
Db      772 AGDIEEMEREKRELR 791
      810 ---VEKEEEDVDVESVQ 826

RESULT 8
US-09-389-341-52
; Sequence 52, Application US/09389341
; Patent No. 620803
; GENERAL INFORMATION:
; APPLICANT: Roberts, Christopher J.
; TITLE OF INVENTION: ESSENTIAL GENES OF YEAST AS TARGETS FOR ANTIFUNGAL
; TITLE OF INVENTION: AGENTS, HERBICIDES, INSECTICIDES AND ANTI-PROLIFERATIVE
; TITLE OF INVENTION: DRUGS
; FILE REFERENCE: 9301-057
; CURRENT APPLICATION NUMBER: US/09/389,341
; CURRENT FILING DATE: 1999-09-02
; EARLIER APPLICATION NUMBER: 09/315,794

```

EARLIER FILING DATE: 1999-05-21
 NUMBER OF SEQ ID NOS: 72
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 52
 LENGTH: 838
 TYPE: PRT
 ORGANISM: Saccharomyces cerevisiae
 US-09-389-341-52

Query Match 13.9%; Score 599.5; DB 3; Length 838;
 Best Local Similarity 25.7%; Pred. No. 2.5e-49;
 Matches 221; Conservative 138; Mismatches 290; Indels 211; Gaps 36;

```

QY 82 RYLF--NCEGVORLQOEHLKAVARLDNIFLT--RMHMSVNGISGMILTKETGLPKCVLS 139
DB 28 KYFGKIGESGSRSLTEKIRISKDKDIFLTGELMWSIDGIGLPGMILITADGKSNLVH 87
QY 140 GPPOLEKYLEAIKIFSGPLKIGIELAVRPHSAE---YEDMTVYQIPI--HSEQRCK 193
DB 88 YGNDILNIVSTWRYFVFRFGIDL--NDHIMKDEYVKDKIIVKSFNVLKNGGEGRLGV 145
QY 194 HOPMOS-----PERPLSLSPERSSDSESNEMPHLPHGVSGRGRVDSLVV 241
DB 146 FDSFGKGLRSIVAKMPPKGAFTDRYD--SSDPHLNVELPDL-----DAKVEV 192
QY 242 AFICKLHLK--RGNFLVLKAKEMGLPVGTAAIAPITAAVKDGSKIT--HEGREILAEELCT 298
DB 193 STNYEISPSVPKGVKVEBAIKLGVPKG-----PLFAKLTGQITLIDNGIVVTEBQVLE 247
QY 299 PPDGAAFYVVECPDESFIQPIICENATFORYGKADAPVALVHMAVASVLVDSRYQQM 358
DB 248 NERHFAKVLIIIDIPDDLVL--NAFVEKFDYDCAELGMVYFLEGDEVITINDLIFAFI 302
QY 359 ERFPGDTQHLVLENACASVHNLRSHKIQTQNLNHPDIFPL-----LTSRCK----- 406
DB 303 DIFE-----KNNYGKVNHMISH-----NKISPNITISFGSALTITLKALQVNNYN 348
QY 407 --KEGPTLS-----VPMVOGECILKYQLRPRE-----WORDAIITCNP----- 443
DB 349 LPKTRVFSKDYDRPDTPLSGTSMCKSQEPLNTIIEKDNHIFSQKTYTFEFRNN 408
QY 444 -----EEFIVEALQLP-----NFQOSVQYERSAODGPADA 474
DB 409 EEPMKCNINGEVAVDFSMQEIFEEH--VKPLFPLADVIVINNQLHYDNNFNSAE----- 461
QY 475 EKSQYPEIIFIGTSGALPMKIRNVSATLVNI-----SPDTSILLDDCGESTGQOLCR 526
DB 462 --KKGHVEIITLGTGSALEPSKYRNVSITLVKVPFTDADGNTINRNIMLDAGENTLGTIHR 519
QY 527 HYGD--QVDRVLGTLAAVFVSHLHADHTGLPSIILQERALASLGKPLHLVVAPOULK 585
DB 520 MFSQALVKSIFODLKMITYISHLHADHHLGIIISVL--NEWYKYNKODETETIYIVVTP 573
QY 586 AMLQOYHN-----OCQOEVLHHSIMIPA-----KCLQEGA- 614
DB 574 -W--QYHKVNMELVLENKEILIKIKYISCEHPINDSFVMQTSVPLAEFNEILKENSN 630
QY 615 -----EISSPAVER---LISLFLTCULEEFQTLVHCKRAFCALV-----HT 656
DB 631 QESNRKLEIDRDSSTYDVLIRQWYEDLSIEYFQTRAIHCDWAVNSITFRDENNEHN 690
QY 657 SGMKVYVSGDTMPC--EALVPMGKDATLIIHEATLEDGLBEAVENTHSTSOAISVGMR 714
DB 691 T-FKYSYSGDTRPNIKKFSLEIGYNSDLIHEATLLENOLEDAVKKKCTINEAIVSNK 749
QY 715 MNAEFLMLNHFSGRYAKVPLFSPN--FSEKGVAVADHKKVCGDEPTMKLIPPLKALF 771
DB 750 MNAARKLILTHFSGRYKLPQLDNNIIVMARBEFCFADSMIVDYEKIGEQORIFPLLNKAF 809
QY 772 AGDIEMERRERKRELDROYR 791
DB 810 ---VEKEEBEDVDVDESVO 826

```

RESULT 9
 US-09-564-805-229
 Sequence 229; Application US/09564805
 Patent No. 6333403

GENERAL INFORMATION:
 APPLICANT: Tavcigian, Sean V.
 APPLICANT: Teng, David H.F.
 APPLICANT: Simard, Jacques
 APPLICANT: Rommens, Johanna M.
 APPLICANT: Myriad Genetics, Inc.
 TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
 FILE REFERENCE: 2318-258
 CURRENT APPLICATION NUMBER: US/09/564,805
 CURRENT FILING DATE: 2000-05-05
 PRIOR APPLICATION NUMBER: US 60/107,468
 PRIOR FILING DATE: 1998-11-06
 PRIOR APPLICATION NUMBER: 09/434,382
 PRIOR FILING DATE: 1999-11-05
 NUMBER OF SEQ ID NOS: 240
 SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 229
 LENGTH: 838
 TYPE: PRT
 ORGANISM: Saccharomyces cerevisiae
 US-09-564-805-229

Query Match 13.9%; Score 599.5; DB 4; Length 838;
 Best Local Similarity 25.7%; Pred. No. 2.5e-49;
 Matches 221; Conservative 138; Mismatches 290; Indels 211; Gaps 36;

```

QY 82 RYLF--NCEGVORLQOEHLKAVARLDNIFLT--RMHMSVNGISGMILTKETGLPKCVLS 139
DB 28 KYFGKIGESGSRSLTEKIRISKDKDIFLTGELMWSIDGIGLPGMILITADGKSNLVH 87
QY 140 GPPOLEKYLEAIKIFSGPLKIGIELAVRPHSAE---YEDMTVYQIPI--HSEQRCK 193
DB 88 YGNDILNIVSTWRYFVFRFGIDL--NDHIMKDEYVKDKIIVKSFNVLKNGGEGRLGV 145
QY 140 GPPOLEKYLEAIKIFSGPLKIGIELAVRPHSAE---YEDMTVYQIPI--HSEQRCK 193
DB 88 YGNDILNIVSTWRYFVFRFGIDL--NDHIMKDEYVKDKIIVKSFNVLKNGGEGRLGV 145
QY 194 HOPMOS-----PERPLSLSPERSSDSESNEMPHLPHGVSGRGRVDSLVV 241
DB 146 FDSFGKGLRSIVAKMPPKGAFTDRYD--SSDPHLNVELPDL-----DAKVEV 192
QY 242 AFICKLHLK--RGNFLVLKAKEMGLPVGTAAIAPITAAVKDGSKIT--HEGREILAEELCT 298
DB 193 STNYEISPSVPKGVKVEBAIKLGVPKG-----PLFAKLTGQITLIDNGIVVTEBQVLE 247
QY 299 PPDGAAFYVVECPDESFIQPIICENATFORYGKADAPVALVHMAVASVLVDSRYQQM 358
DB 248 NERHFAKVLIIIDIPDDLVL--NAFVEKFDYDCAELGMVYFLEGDEVITINDLIFAFI 302
QY 359 ERFPGDTQHLVLENACASVHNLRSHKIQTQNLNHPDIFPL-----LTSRCK----- 406
DB 303 DIFE-----KNNYGKVNHMISH-----NKISPNITISFGSALTITLKALQVNNYN 348
QY 407 --KEGPTLS-----VPMVOGECILKYQLRPRE-----WORDAIITCNP----- 443
DB 349 LPKTRVFSKDYDRPDTPLSGTSMCKSQEPLNTIIEKDNHIFSQKTYTFEFRNN 408
QY 444 -----EEFIVEALQLP-----NFQOSVQYERSAODGPADA 474
DB 409 EEPMKCNINGEVAVDFSMQEIFEEH--VKPLFPLADVIVINNQLHYDNNFNSAE----- 461
QY 475 EKSQYPEIIFIGTSGALPMKIRNVSATLVNI-----SPDTSILLDDCGESTGQOLCR 526
DB 462 --KKGHVEIITLGTGSALEPSKYRNVSITLVKVPFTDADGNTINRNIMLDAGENTLGTIHR 519
QY 527 HYGD--QVDRVLGTLAAVFVSHLHADHTGLPSIILQERALASLGKPLHLVVAPOULK 585
DB 520 MFSQALVKSIFODLKMITYISHLHADHHLGIIISVL--NEWYKYNKODETETIYIVVTP 573
QY 586 AMLQOYHN-----OCQOEVLHHSIMIPA-----KCLQEGA- 614

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Db      574 -W--QYHFNVEWLVLENKEIKRIKIXISCEHFINDSFVRMOTOSVPLAEFNEIKENS 630
QY      645 -----RISPAVER-----LISSLARTCDLEEFOTCLVRHCHGAGCALV-----HT 656
Db      631 QESNRKLEIDRDSSTRDDVLIKQWEDLSIEFQICRAIHCMWYNSITTFMDENNENH 690
QY      657 SGWKVYSGDTPC--EALVVRMGDATTLLIHEATLEDGLEEBAVEKTHSTTSQAISVGR 714
Db      691 T-FKVSYSGDRPRNIEKFSLEIGYNSDLLIHEATLENGLLBEDAVKKGCTINEAIGVSNK 749
QY      715 MNAEFIMNHSQRYAKYPLFSPN--FSEKVGVAFDHMKVCFGPFPMPKLIPLKALF 771
Db      750 MNAELILTHFSQRYKPLPOLDNINIDVMARECFADSMIVDYEXIGEORIFPLNKA 809
QY      772 AGDIEEMERERREKRELOVR 791
Db      810 ---VEKEEBEDVDVESVQ 826

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RESULT 10

```

US-09-564-805-211
; Sequence 211, Application US/09564805
; Patent No. 633403
; GENERAL INFORMATION:
; APPLICANT: Tavligian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 211
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-564-805-211

```

```

Query Match          9.7%; Score 420; DB 4; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.8e-33;
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 MMALCSLRSAGRTMSGRTISQAPARERPRKPLRLHRTREKRGSGCGGNTYTL 60
Db      1 MMALCSLRSAGRTMSGRTISQAPARERPRKPLRLHRTREKRGSGCGGNTYTL 60
QY      61 OVVAAGSRDGSALYVFSEFN 81
Db      61 OVVAAGSRDGSALYVFSEFN 81

```

RESULT 11

```

US-09-564-805-232
; Sequence 232, Application US/09564805
; Patent No. 633403
; GENERAL INFORMATION:
; APPLICANT: Tavligian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258

```

```

; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 232
; LENGTH: 307
; TYPE: PRT
; ORGANISM: Methanobacterium thermoautotrophicum
US-09-564-805-232

```

```

Query Match          6.5%; Score 281; DB 4; Length 307;
Best Local Similarity 26.2%; Pred. No. 6.9e-19;
Matches 84; Conservative 45; Mismatches 93; Indels 76; Gaps 11;

```

```

QY      482 EIIPLGTSAIPMKIRNVASATLVNISPDTSLLDCEGTFGQLCRHYGDYDRVLG---- 537
Db      3 EVTLGTSSAVPSKNRNHTSIALRI-PGEIFLFDGEGTORQMA-----LAGISPM 52
QY      538 TLAAVFVSHLADHTGCPISLLO-----REBALASLCKP-LHPLLVVAPNOLKAMLOQY 591
Db      53 KVRIFIFTHLGDHILGIPGMIQSMGFRGREBPLDIYGPGLHEL-----97
QY      592 HNOCEVLAHISM--IPAKCLOEGAR-----SSPAVERLISLRTCDLEEFOTC 640
Db      98 -HECIMKRGYFTLPDIDIVHEVRGTVVEEDDYRTSPAPASHSVN--LAYCFEEKRPR 154
QY      641 LVRRCKNAFGC-----ALVH-----TSQWKVYSGDTMPCAL 673
Db      155 FLREKALILGKPGPAFKLHRTIPVRVGRRIIMPEBVLGSPRGKVCYSGDTRPCSV 214
QY      674 VRMGDATTLLIHEATLEDGLEEBAVEKTHSTTSQAISGMMMAEFIMLHNSQRYAK 731
Db      215 IKLAEGBELLHESITLENGSEDKAESHSTAREAAEVARAGVRLITLHSTRYKR 272

```

RESULT 12

```

US-09-564-805-213
; Sequence 213, Application US/09564805
; Patent No. 633403
; GENERAL INFORMATION:
; APPLICANT: Tavligian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 213
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-564-805-213

```

```

Query Match          6.4%; Score 278; DB 4; Length 73;
Best Local Similarity 74.1%; Pred. No. 1.2e-19;
Matches 60; Conservative 2; Mismatches 11; Indels 8; Gaps 2;

```

```

QY      1 MMALCSLRSAGRTMSGRTISQAPARERPRKPLRLHRTREKRGSGCGGNTYTL 60
Db      1 MMALRSRLRPLGLRTMSG-----SARRPRPPKPLRLHRTREKRGPG--FGGNTYTL 52

```

```
QY      61 QVWAAGSRDSCAALYFSEFN 81
      ||||| : ||||| : |
Db      53 QVWAAGGRDGAALYFSEYN 73
```

RESULT 13
US-09-564-805-230
; Sequence 230, Application US/09564805

```

: GENERAL INFORMATION:
: APPLICANT: Tavtadjian, Sean V.
: APPLICANT: Teng, David H.F.
: APPLICANT: Simard, Jacques
: APPLICANT: Rommens, Johanna M.
: APPLICANT: Myriad Genetics, Inc.
: TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
: TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
: FILE REFERENCE: 2318-258
: CURRENT APPLICATION NUMBER: US/09/564,805
: CURRENT FILING DATE: 2000-05-05
: PRIOR APPLICATION NUMBER: US 60/107,468
: PRIOR FILING DATE: 1998-11-06
: PRIOR APPLICATION NUMBER: 09/434,382
: PRIOR FILING DATE: 1999-11-05
: NUMBER OF SEQ ID NOS: 240
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 230
: LENGTH: 311
: TYPE: prt
: ORGANISM: Escherichia coli
: US-09-564-805-230

```

Query Match	6.4%	Score 275;	DB 4;	Length 311;
Best Local Similarity	26.2%	Pred. NO. 2.7e-16;		
Matches	78;	Conservative	109;	Indels 62;
		Mismatches	109;	Gaps 8

```
OY      476 KRSQVPELIFCTGSAIPMKIRNVAATLVNISPDSS---LLDCEGGFPGOLCRHNGVOY   532
          :|::||::||::||::||::||::||::||::||::||::||::||::||::||::||
Db       2 KRDEIMELIPLCTISAGVPFRTRNVALILNLNHPQSGMIWLPDCSGBQHOLLHTAFNP-    60
          :|::||::||::||::||::||::||::||::||::||::||::||::||::||
OY      533 DRVLTGLTAAVFVSHLDADHTGTSPILQREERALASLGKPLRPBLVVAENQJKAWLQ--   589
          :|::||::||::||::||::||::||::||::||::||::||::||::||::||
Db       61 ----GKLDKFIKISHLGHDLFLPGLCSR-----SMGIQLPRTLYGPOGRFEFEVAL    111
          :|::||::||::||::||::||::||::||::||::||::||::||::||::||
OY      550 -----QYNHCQGEV-----LHHSMTP-----AKCLQ   611
          :|::||::||::||::||::||::||::||::||::||::||::||::||::||
Db       112 RIGSGWTDPLEIVIGAGEIIDDGIRKYATAVPLEHPLECYSYRIEHNDRGALNAQAOK   171
          :|::||::||::||::||::||::||::||::||::||::||::||::||::||
OY      612 EGAEISSPAVERLIISLRTCDELFECFOICLVANCKHAFCALWHTSGWKVVVSGBDTMPC   671
          :|::||::||::||::||::||::||::||::||::||::||::||::||::||
Db       172 AAGVPRGPLFGCLKKG--KTITLEDORQI-----NGADYLAAVPBGKALAIFGDTGPDC   223
          :|::||::||::||::||::||::||::||::||::||::||::||::||::||
OY      672 ALVRMGKQATLIIHQATLEDGLGEEZAVEXKTHSTTSQALISVGKRMAEFMLNHFPORY   729
          :|::||::||::||::||::||::||::||::||::||::||::||::||::||
Db      224 AALDIKAGDVVWHARTDITLMEAKANSNGSHSTQDAATLAREAGVKKILITHVSSRY   281
```

```

RESULT 14
US-09-564-805-220
/ Sequence 220, Application US/09564805
/ Patent No. 6333403
/ GENERAL INFORMATION:
/ APPLICANT: Tavligian, Sean V.
/ APPLICANT: Teng, David H.F.
/ APPLICANT: Simard, Jacques
/ APPLICANT: Rommens, Johanna M.
/ APPLICANT: Myriad Genetics, Inc.
/ TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
/ TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
/ FILE REFERENCE: 2318-258
/ CURRENT APPLICATION NUMBER: US/09/564, 805
/ CURRENT FILING DATE: 2000-05-05

```

```

? PRIOR APPLICATION NUMBER: US 60/107,468
? PRIOR FILING DATE: 1998-11-06
? PRIOR APPLICATION NUMBER: 09/434,382
? PRIOR FILING DATE: 1999-11-05
? NUMBER OF SEQ ID NOS: 240
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 220
?
? LENGTH: 363
? TYPE: PRT
? ORGANISM: Homo sapiens
US-03-564-805-220

```

Query Match	5.7%	Score	245.5	DB	4	Length	363
Best Local	Similarity	26.4%	Pred. No.	27e-15			
Matches	87	Conservative	42	Mismatches	114	Indels	87
						Gaps	10

[illegible]

```

RESULT 15
US-09-564-805-231
/ Sequence 231 Application US/09564805
/ Patent No. 6333403
/ GENERAL INFORMATION:
/ APPLICANT: Tavligian, Sean V.
/ APPLICANT: Teng, David H.F.
/ APPLICANT: Simard, Jacques
/ APPLICANT: Rommens, Johanna M.
/ APPLICANT: Myriad Genetics, Inc.
/ TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
/ TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
/ FILE REFERENCE: 2318-258
/ CURRENT APPLICATION NUMBER: US/09/564,805
/ CURRENT FILING DATE: 2000-05-05
/ PRIOR APPLICATION NUMBER: US 60/107,468
/ PRIOR FILING DATE: 1998-11-06
/ PRIOR APPLICATION NUMBER: 09/434,382
/ PRIOR FILING DATE: 1999-11-05
/ NUMBER OF SEQ ID NOS: 240
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 231
/ LENGTH: 326
/ TYPE: PRT
/ ORGANISM: Synecocystis sp.
US-09-564-805-231

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Best Local Similarity	26.2%;	Pred. No. 3.6e-15;		
Matches	84;	Conservative	46;	Mismatches 133;
				Indels 59;
				Gaps 10.

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: January 13, 2004, 18:06:55 ; Search time 38 Seconds
(without alignments)
4380.186 Million cell updates/sec

Title: US-09-434-382-2
4325
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Sequence:

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 747907 seqs, 201509753 residues

Total number of hits satisfying chosen parameters: 747907

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications_AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	4325	100.0	826	11	US-09-988-687-2
3	4325	100.0	826	11	US-09-988-686-2
4	4283	99.0	826	11	US-09-988-626-224
5	4283	99.0	826	11	US-09-988-687-224
6	4283	99.0	826	11	US-09-988-686-224
7	4261	98.5	826	11	US-09-988-626-226
8	4261	98.5	826	11	US-09-988-687-226
9	4261	98.5	826	11	US-09-988-686-226
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16	760	17.6	844	11	US-09-988-626-227	Sequence 227, App
17	760	17.6	844	11	US-09-988-687-227	Sequence 227, App
18	760	17.6	844	11	US-09-988-686-227	Sequence 227, App
19	672	15.5	922	15	US-10-128-714-3524	Sequence 3524, App
20	613	14.2	949	15	US-10-128-714-8524	Sequence 8524, App
21	599.5	13.9	838	11	US-09-988-626-229	Sequence 229, App
22	599.5	13.9	838	11	US-09-988-687-229	Sequence 229, App
23	599.5	13.9	838	11	US-09-988-686-229	Sequence 229, App
24	470.5	10.9	808	12	US-10-032-585-7388	Sequence 7388, App
25	420	9.7	81	11	US-09-988-626-211	Sequence 211, App
26	420	9.7	81	11	US-09-988-687-211	Sequence 211, App
27	420	9.7	81	11	US-09-988-686-211	Sequence 211, App
28	281	6.5	307	11	US-09-988-626-232	Sequence 232, App
29	281	6.5	307	11	US-09-988-687-232	Sequence 232, App
30	281	6.5	307	11	US-09-988-686-232	Sequence 232, App
31	278	6.4	73	11	US-09-988-626-213	Sequence 213, App
32	278	6.4	73	11	US-09-988-687-213	Sequence 213, App
33	278	6.4	73	11	US-09-988-686-213	Sequence 213, App
34	275	6.4	311	11	US-09-988-626-230	Sequence 230, App
35	275	6.4	311	11	US-09-988-687-230	Sequence 230, App
36	275	6.4	311	11	US-09-988-686-230	Sequence 230, App
37	275	6.4	311	15	US-10-190-279-20	Sequence 20, App
38	245.5	5.7	363	11	US-09-988-626-220	Sequence 220, App
39	245.5	5.7	363	11	US-09-988-687-220	Sequence 220, App
40	245.5	5.7	363	11	US-09-988-686-220	Sequence 220, App
41	243.5	5.6	326	11	US-09-988-626-231	Sequence 231, App
42	243.5	5.6	326	11	US-09-988-687-231	Sequence 231, App
43	243.5	5.6	326	11	US-09-988-686-231	Sequence 231, App
44	228.5	5.3	307	15	US-10-190-279-17	Sequence 17, App
45	217.5	5.0	309	15	US-10-190-279-8	Sequence 8, App

ALIGNMENTS

RESULT 1
US-09-988-626-2
; Sequence 2, Application US/09988626
; Publication No. US20030044599A1
; GENERAL INFORMATION:
; APPLICANT: Tavcigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988, 626
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564, 805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107, 468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434, 382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-988-626-2
Query Match 100.0%; Score 4325; DB 11; Length 826;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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US-09-988-687-2
; Sequence 2, Application US/09988687
; Publication No. US2003045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavligian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/424,382
; PRIOR FILING DATE: 1999-11-05

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; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-988-687-2

Query Match      100.0%; Score 4325; DB 11; Length 826;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3
US-09-988-686-2
; Sequence 2, Application US/09988686
; Publication No. US20030120052A1

```


GENERAL INFORMATION:
APPLICANT: Tavligian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,686
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 826
TYPE: PRT
ORGANISM: Homo sapiens
US-09-988-686-2

Query Match 100.0%; Score 4325; DB 11; Length 826;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 4
US-09-988-626-224
Sequence 224, Application US/09988626
Publication No. US20030044959A1
GENERAL INFORMATION:
APPLICANT: Tavligian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,626
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 224
LENGTH: 826
TYPE: PRT
ORGANISM: Pan troglodytes
US-09-988-626-224

Query Match 99.0%; Score 4283; DB 11; Length 826;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 817; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

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QY 181 YQIPHSQRKGKIQPWSPPRPLSRSPSSSDSESNENEPHLPHGVQRRGVADSLV 240
DB 181 YQIPHSQRKGKIQPWSPPRPLSRSPSSSDSESNENEPHLPHGVQRRGVADSLV 240
QY 241 VAFICKLHKGKGNFLVLAKEKGLPVGTAAIAPITAAVKDGKSTHREGLAEELCTPP 300
DB 241 VAFICKLHKGKGNFLVLAKEKGLPVGTAAIAPITAAVKDGKSTHREGLAEELCTPP 300
QY 301 DPGAFFVVECPDPSFIQICENATFORVQKADAPVALVVMAPASVLDNRVQOMMER 360
DB 301 DPGAFFVVECPDPSFIQICENATFORVQKADAPVALVVMAPASVLDNRVQOMMER 360
QY 361 FGPDTQHLVLNENCAVNLRSKHIQTOLNLIHPDIFPLITSFRCKKGPTLSVPMVGE 420
DB 361 FGPDTQHLVLNENCAVNLRSKHIQTOLNLIHPDIFPLITSFRCKKGPTLSVPMVGE 420

```

OY 421 CLKYQLRPRRERWQDAIITCNPEEFIVYEAOLPNFOOSVOEYRRSADGPAAPAEKRSQY 480
DB 421 CLKYQLRPRRERWQDAIITCNPEEFIVYEAOLPNFOOSVOEYRRSADGPAAPAEKRSQY 480
OY 481 PEIIFLGTSALIPMKIRNVSAATLVNISPDTSLLDCCGEGTFCQLCRHYGQDVYDLGTLA 540
DB 481 PEIIFLGTSALIPMKIRNVSAATLVNISPDTSLLDCCGEGTFCQLCRHYGQDVYDLGTLA 540
OY 541 AVFVSHLADHHTGTPSILLQERALASLGGKPHPLVVAAPNQLKAWLQOYHNOCOEVLH 600
DB 541 AVFVSHLADHHTGTPSILLQERALASLGGKPHPLVVAAPNQLKAWLQOYHNOCOEVLH 600
OY 601 HISMIIPAKLOEGAEISSPAVERLLISSLRTCDLEEFQTCIVRHCKHAFGALVHTSGWK 660
DB 601 HISMIIPAKLOEGAEISSPAVERLLISSLRTCDLEEFQTCIVRHCKHAFGALVHTSGWK 660
OY 661 VVYSGDTMPCALVVMGKDATLLIHEATLEDGLEEBAVEKHTSTTSOASVGMKNNAEPI 720
DB 661 VVYSGDTMPCALVVMGKDATLLIHEATLEDGLEEBAVEKHTSTTSOASVGMKNNAEPI 720
OY 721 MLNHSQRYAKVPLFSPNFESEKGVAFDMKVCFQDFATMPKLIPLKALFAGDIEEMBE 780
DB 721 MLNHSQRYAKVPLFSPNFESEKGVAFDMKVCFQDFATMPKLIPLKALFAGDIEEMBE 780
OY 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQAQ 826
DB 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQAQ 826

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RESULT 5

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US-09-988-687-224
; Sequence 224, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 224
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Pan troglodytes
US-09-988-687-224

```

```

Query Match 99.0%; Score 4283; DB 11; Length 826;
Best Local Similarity 98.9%; Pred. No. 0;
Matches 817; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

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OY 1 MMALCSLRSAGRTMSQGRITISQAPARRPRPKDPLRLHRTREKRGSGSGGPNVTYVL 60
DB 1 MMALCSLRSAGRTMSQGRITISQAPARRPRPKDPLRLHRTREKRGSGSGGPNVTYVL 60
OY 61 QVVAASRSRSGALVYFSEPNRYLFCNGCGVGLMDEHKLKVARLNIFLTRHMSNVGG 120
DB 61 QVVAASRSRSGALVYFSEPNRYLFCNGCGVGLMDEHKLKVARLNIFLTRHMSNVGG 120
OY 121 LSGMILTLEKGTGPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDMTYV 180
DB 121 LSGMILTLEKGTGPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDMTYV 180

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DB 121 LSGMILTLEKGTGPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHSAPEYEDMTYV 180
OY 181 YQIPHSQRGRKIQPWQSPERPUSRLSPERSDSESNENEPHLPHGVSGRRGVDSLV 240
DB 181 YQIPHSQRGRKIQPWQSPERPUSRLSPERSDSESNENEPHLPHGVSGRRGVDSLV 240
OY 241 VAFICKHLKRGNFVLKAKEMGLPVGTAAIAPIIAAKDGKSTHBERELAEELCTPP 300
DB 241 VAFICKHLKRGNFVLKAKEMGLPVGTAAIAPIIAAKDGKSTHBERELAEELCTPP 300
OY 301 DPGAFFVVECPDESEFIQPI CENATFORYGKADAPVALVYHMAVASVLVDSRYQOMMER 360
DB 301 DPGAFFVVECPDESEFIQPI CENATFORYGKADAPVALVYHMAVASVLVDSRYQOMMER 360
OY 361 FGPDQHLVLMENCAVNLRSKHIQTQNLIHPIIPULTISFRCKEGPTLSVPMVOGE 420
DB 361 FGPDQHLVLMENCAVNLRSKHIQTQNLIHPIIPULTISFRCKEGPTLSVPMVOGE 420
OY 421 CLKYQLRPRRERWQDAIITCNPEEFIVYEAOLPNFOOSVOEYRRSADGPAAPAEKRSQY 480
DB 421 CLKYQLRPRRERWQDAIITCNPEEFIVYEAOLPNFOOSVOEYRRSADGPAAPAEKRSQY 480
OY 481 PEIIFLGTSALIPMKIRNVSAATLVNISPDTSLLDCCGEGTFCQLCRHYGQDVYDLGTLA 540
DB 481 PEIIFLGTSALIPMKIRNVSAATLVNISPDTSLLDCCGEGTFCQLCRHYGQDVYDLGTLA 540
OY 541 AVFVSHLADHHTGTPSILLQERALASLGGKPHPLVVAAPNQLKAWLQOYHNOCOEVLH 600
DB 541 AVFVSHLADHHTGTPSILLQERALASLGGKPHPLVVAAPNQLKAWLQOYHNOCOEVLH 600
OY 601 HISMIIPAKLOEGAEISSPAVERLLISSLRTCDLEEFQTCIVRHCKHAFGALVHTSGWK 660
DB 601 HISMIIPAKLOEGAEISSPAVERLLISSLRTCDLEEFQTCIVRHCKHAFGALVHTSGWK 660
OY 661 VVYSGDTMPCALVVMGKDATLLIHEATLEDGLEEBAVEKHTSTTSOASVGMKNNAEPI 720
DB 661 VVYSGDTMPCALVVMGKDATLLIHEATLEDGLEEBAVEKHTSTTSOASVGMKNNAEPI 720
OY 721 MLNHSQRYAKVPLFSPNFESEKGVAFDMKVCFQDFATMPKLIPLKALFAGDIEEMBE 780
DB 721 MLNHSQRYAKVPLFSPNFESEKGVAFDMKVCFQDFATMPKLIPLKALFAGDIEEMBE 780
OY 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQAQ 826
DB 781 RREKRELQVRAALLSRELAGLEDGEPOQKRAHTEEPQAKKVRQAQ 826

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RESULT 6

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US-09-988-686-224
; Sequence 224, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,686
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 224
; LENGTH: 826
; TYPE: PRT

```

ORGANISM: Pan troglodytes
US-09-988-686-224

US-09-9888-686-224

Query Match	99.0%;	Score 4283;	DB 11;	Length 826;
-------------	--------	-------------	--------	-------------

Best local similarity 98.9%; P-vec. NO. 0;
Matches 817; Conservative 4; Mismatches 5; Indels 0; Gaps 0

Matches	817;	Conservative	4;	Mismatches	5;	Indels	0;	Gaps	0;
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Qy	1	MMALCSTLRSAAIGTMSOGRTISQAPARERRRKQPLHLRTRERXRGSGCGGPNVYL	60
Db	1	MMALCSTLRSAAIGTMSOGRTISQAPARERRRKQPLHLRTRERXRGSGCGGPNVYL	60
Qy	61	QVVAAGSRDSCAALVYSEFNRYLPNCGEGQORLMOEHKLTAAIDNIFLTMHMSNYCG	120
Db	61	QVVAAGSRDSCAALVYSEFNRYLPNCGEGQORLMOEHKLTAAIDNIFLTMHMSNYCG	120
Qy	121	LSGMILTLKETGELPKCVLSEPPOLEKUYEAIKIFSGPLKGIPLAARPSAPREDEBTMV	180
Db	121	LSGMILTLKETGELPKCVLSEPPOLEKUYEAIKIFSGPLKGIPLAARPSAPREDEBTMV	180
Qy	181	YQPIHSEQRKGIQPMQWSPERPLSRLSPERSSDSESNENBEHLPHGVSQRRGVDSILV	240
Db	181	YQPIHSEQRKGIQPMQWSPERPLSRLSPERSSDSESNENBEHLPHGVSQRRGVDSILV	240
Qy	241	VAFICKLHLKGNFLYLKAKEMGLPVGTALAPIIAAYDOKSITHREGELIAEELCTPB	300
Db	241	VAFICKLHLKGNFLYLKAKEMGLPVGTALAPIIAAYDOKSITHREGELIAEELCTPB	300
Qy	301	DGGAFAVYVECPDEEPIOTICENATFORYGKADAPVALVYMAPASVYVDSRYOOMMR	360
Db	301	DGGAFAVYVECPDEEPIOTICENATFORYGKADAPVALVYMAPASVYVDSRYOOMMR	360
Qy	361	FGPDTHLVLNENCASVHNRSHKIQTQNLIHDPILPLITSFRCKEGPTLSVPMVQGE	420
Db	361	FGPDTHLVLNENCASVHNRSHKIQTQNLIHDPILPLITSFRCKEGPTLSVPMVQGE	420
Qy	421	CLLKQYLRPRREMOQDAIITCNPEEFYIYBAOLPMPQOSVQGYRBSAODGPAERKRSY	480
Db	421	CLLKQYLRPRREMOQDAIITCNPEEFYIYBAOLPMPQOSVQGYRBSAODGPAERKRSY	480
Qy	481	PEIFLFLGSGAIPMKIRNVASATLVNISPDTSILBLCCGEGTFQOLCRHYADQDVRVLGTA	540
Db	481	PEIFLFLGSGAIPMKIRNVASATLVNISPDTSILBLCCGEGTFQOLCRHYADQDVRVLGTA	540
Qy	541	AVFVSHLHADHHTGLPSILLQREBALASIGKELIABLVVAPNQLKAMLQYHYNQCEVLA	600
Db	541	AVFVSHLHADHHTGLPSILLQREBALASIGKELIABLVVAPNQLKAMLQYHYNQCEVLA	600
Qy	601	HISMTPAKCLQEGAEISSPAVERLISLILRTCDDEEFOCLVRHCKHAFGCLVHTSGMK	660
Db	601	HISMTPAKCLQEGAEISSPAVERLISLILRTCDDEEFOCLVRHCKHAFGCLVHTSGMK	660
Qy	661	VVYSGDTPMPCALVBMGKDATLLIHEATLEDELEEAVEKHTSTTSQALSVGRMNAEPI	720
Db	661	VVYSGDTPMPCALVBMGKDATLLIHEATLEDELEEAVEKHTSTTSQALSVGRMNAEPI	720
Qy	721	MLNHFSGRYAKVPLESPNFSEKGVAFDPMKVCFQDFPTMPLKILPPLKALFAGDIEEMEE	780
Db	721	MLNHFSGRYAKVPLESPNFSEKGVAFDPMKVCFQDFPTMPLKILPPLKALFAGDIEEMEE	780
Qy	781	RREKRELRQVAAALISRELAGEEGEPOQRAHTEEPQAKKVRQ	846
Db	781	RREKRELRQVAAALISRELAGEEGEPOQRAHTEEPQAKKVRQ	846
Qy	826	RRERRELRQVAAALISRELAGEEGEPOQRAHTEEPQAKKVRQ	826
Db	826	RRERRELRQVAAALISRELAGEEGEPOQRAHTEEPQAKKVRQ	826

RESULT 7

US-09-988-626-226

; Sequence 226, Application US/099888626

Publication No. US20030044959A1

GENERAL INFORMATION:

APPLICANT: TAYTIGIAN, Sean Y

APPLICANT: Teng David H E

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

```

1  APPLICANT: Wyriad Genetics, Inc.
2  TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility,
3  TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
4  FILE REFERENCE: 2318-258
5  CURRENT APPLICATION NUMBER: US/09/988,626
6  CURRENT FILING DATE: 2001-11-20
7  PRIOR APPLICATION NUMBER: 09/564,805
8  PRIOR FILING DATE: 2000-05-05
9  PRIOR APPLICATION NUMBER: US 60/107,468
10 PRIOR FILING DATE: 1998-11-06
11 PRIOR APPLICATION NUMBER: 09/434,382
12 PRIOR FILING DATE: 1999-11-05
13 NUMBER OF SEQ ID NOS: 240
14 SOFTWARE: PatentIn Ver. 2.0
15 SEQ ID NO 226
16 LENGTH: 826
17 TYPE: PRT
18 ORGANISM: Gorilla gorilla
19 US-09-988-626-226

```

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/988

CURRENT FILING DATE: 2001-11-20

CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564 805

PRIOR APPLICATION NUMBER: 09/564,805

PRIOR FILING DATE: 2000-05-05

; PRIOR APPLICATION NUMBER: US 60/107,

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/

PRIOR FILING

NUMBER OF SE
PRIOR FILING

NUMBER OF SECTORS

; SOFTWARE: PatentIn Ver. 2.

; SEQ ID NO 226

Query Match	98.5%	Score 4261	DB 11	Length 826
Query Match	98.5%	Score 4261	DB 11	Length 826

Best Local Simulality	98.56	Freq. no. 0
Matches	814	Conservative
	5	Mismatches
	7	Indels
	0	Gaps
	0	

Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

Qy	1	MMALCSILRSAAQTMGOGRTISQAPARREPRDPLRHTLRKRGSGSGGNTYLL	60
Dp	1	MMALCSILRSAAQTMGOGRTISQAPARREPRDPLRHTLRKRGSGSGGNTYLL	60
Qy	61	QVVAASGRDSGALVYFSENNRYLPNCGEYQVRLMOEHKLVARLDNI FLTRHMSNVGG	120
Dp	61	QVVAASGRDSGALVYFSENNRYLPNCGEYQVRLMOEHKLVARLDNI FLTRHMSNVGG	120
Qy	121	LSGMVILTKETGRLPKCVLSGPPQLEKYLEAKITSGPLKGIELVLRPISAEYEDETMTV	180
Dp	121	LSGMVILTKETGRLPKCVLSGPPQLEKYLEAKITSGPLKGIELVLRPISAEYEDETMTV	180
Qy	181	YQIRIHESEORRQKIQMOSPERPLSRSLSPERSDSSESNENEPHLPHYGVSQRGVNDSLLV	240
Dp	181	YQIRIHESEORRQKIQMOSPERPLSRSLSPERSDSSESNENEPHLPHYGVSQRGVNDSLLV	240
Qy	241	VAFICKLHLKRGFLVLKAKEMGLPVGTAAIAP1IAAVKDGKSITHEGRILLAEELCTPP	300
Dp	241	VAFICKLHLKRGFLVLKAKEMGLPVGTAAIAP1IAAVKDGKSITHEGRILLAEELCTPP	300
Qy	301	DGGAFAVNVBCPDEBSFIOTPCENATFORYOQKADAPVALVYHMAPASVLVDSRYQOMMER	360
Dp	301	DGGAFAVNVBCPDEBSFIOTPCENATFORYOQKADAPVALVYHMAPEVSLVDSRYQOMMER	360
Qy	361	FGPRTQHLVNNENASVHNLRSHTIQVQLNIHDPILPLISFPCCKEGPTLSVPMVOGE	420
Dp	361	FGPRTQHLVNNENASVHNLRSHTIQVQLNIHDPILPLISFPCCKEGPTLSVPMVOGE	420
Qy	421	CLTKYQRLPRREMQRDAITTCNPEEFVTEALQLENFOQSVQVEYRRSADGPAAPAEKRSQY	480
Dp	421	CLTKYQRLPRREMQRDAITTCNPEEFVTEALQLENFOQSVQVEYRRSVQVDPAPAEKRSQY	480
Qy	481	PEIIFLIGTGSALPMKIRNVSATLVNISPDTSLLDCBEGTFQGLCRHYGDQVDRVLGTILA	540
Dp	481	PEIIFLIGTGSALPMKIRNVSATLVNISPDTSLLDCBEGTFQGLCRHYGDQVDRVLGTILA	540
Qy	541	AVFVSHLHADHTLTGSLILOREKALASLGRPHPLVVAANOLKAWLQOVHNOQOEVILH	600
Dp	541	AVFVSHLHADHTLTGSLILOREKALASLGRPHPLVVAASOLKAWLQOVHNOQOEVILH	600
Qy	601	HISMIIPAKCLOEGAEISSPAVERLISSLILTRCDLEEFOTCLVRHCKHAFGALVHTSGMK	660
Dp	601	HISMIIPAKCLOEGAEISSPAVERLISSLILTRCDLEEFOTCLVRHCKHAFGALVHTSGMK	660
Qy	661	VVYSGDTMPCBALVRMGKDATLLIHEATLEDGLBEBAVEKTHSTTSQALISVGMNNAAEFI	720
Dp	661	VVYSGDTMPCBALVRMGKDATLLIHEATLEDGLBEBAVEKTHSTTSQALISVGMNNAAEFI	720
Qy	721	MLNHFSGQRYAKVPLPSPNFSEKVGVAVDHMKVCTCGDFPTMFKLIPPLKALTRAGDIIEEMBE	780

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Db      721 MLNHSORVAKVPLSPNFSEKVGAFDMMKVCFGDFPTMPLIPPLKALFAGDIEEMBE 780
Qy      781 RREKELQVRAALLSRELAGLEDEBPQOKRAHTEBPQAKKVRQA 826
Db      781 RREKELQVRAALLSRELAGLEDEBPQOKRAHTEBPQAKKVRQA 826

```

RESULT 8

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US-09-988-687-226
; Sequence 226, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 226
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Gorilla gorilla
US-09-988-687-226

```

```

Query Match      98.5%; Score 4261; DB 11; Length 826;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

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```

Qy      1 MMALCSLSAAGRTMSQRTTSQAPARRERPKDPLRLTRREKRGSGSGGPTVTL 60
Db      1 MMALCSLSAAGRTMSQRTTSQAPARRERPKDPLRLTRREKRGSGSGGPTVTL 60
Qy      61 QVVAAGSRDGAALVYFSEFNRYLTFNCGEGVQRLMOEHKLKVRLDNIPLTRMHSNVG 120
Db      61 QVVAAGSRDGAALVYFSEFNRYLTFNCGEGVQRLMOEHKLKVRLDNIPLTRMHSNVG 120
Qy      121 LSGMITLTKETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIILAVRPHSAPEYEDETMTV 180
Db      121 LSGMITLTKETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIILAVRPHSAPEYEDETMTV 180
Qy      181 YOIPHSSEQRGRHQWQSPERPLSRLSPERSSDSESNENEPHLPHGVQORGVNDSILV 240
Db      181 YOIPHSSEQRGRHQWQSPERPLSRLSPERSSDSESNENEPHLPHGVQORGVNDSILV 240
Qy      241 VAFICLHLKRGKGFVLAKKEMGLPVGTALAIPIITAAVDGKSTHESGELLAEELCTPP 300
Db      241 VAFICLHLKRGKGFVLAKKEMGLPVGTALAIPIITAAVDGKSTHESGELLAEELCTPP 300
Qy      301 DGAFAFVVECPDESEFIQICENATFORVQKADAPVALVHMA PASVLYDSRYQOMMER 360
Db      301 DGAFAFVVECPDESEFIQICENATFORVQKADAPVALVHMA PASVLYDSRYQOMMER 360
Qy      361 FGPDTQHLVLENCAVNLRSKHIOQTQNLNHPDIFPLTTSFRCKEGPTLSVPVQGE 420
Db      361 FGPDTQHLVLENCAVNLRSKHIOQTQNLNHPDIFPLTTSFRCKEGPTLSVPVQGE 420
Qy      421 CLKTKQLRRRERQORRAITTCNPEEFIVALLQPNQOQVOEYRKAQOGPARAEKRSQY 480
Db      421 CLKTKQLRRRERQORRAITTCNPEEFIVALLQPNQOQVOEYRKAQOGPARAEKRSQY 480
Qy      421 CLKTKQLRRRERQORRAITTCNPEEFIVALLQPNQOQVOEYRKAQOGPARAEKRSQY 480
Db      421 CLKTKQLRRRERQORRAITTCNPEEFIVALLQPNQOQVOEYRKAQOGPARAEKRSQY 480

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Qy      481 PEIIFLGTSALPMKIRNVSA TLVNISPDTSILLDCGSGTQQLCRHYGDVDRVLGTLA 540
Db      481 PEIIFLGTSALPMKIRNVSA TLVNISPDTSILLDCGSGTQQLCRHYGDVDRVLGTLA 540
Qy      541 AVFVSHLADHHTGTPSILLORERATASLGKPLHPLVVAAPNQLKAMIQOYNOCOEVLH 600
Db      541 AVFVSHLADHHTGTPSILLORERATASLGKPLHPLVVAAPNQLKAMIQOYNOCOEVLH 600
Qy      601 HISMIAPACLOEGABISSPAVERLISLRTCDLEEFQTCVLRCKHAFGALVHTSGWK 660
Db      601 HISMIAPACLOEGABISSPAVERLISLRTCDLEEFQTCVLRCKHAFGALVHTSGWK 660
Qy      661 VVSGDTMPCBALVYMGDATLLIHEATLEBGLLEBAVEKHTSTTSQAI SVGMRNAEFT 720
Db      661 VVSGDTMPCBALVYMGDATLLIHEATLEBGLLEBAVEKHTSTTSQAI SVGMRNAEFT 720
Qy      721 MLNHSORVAKVPLSPNFSEKVGAFDMMKVCFGDFPTMPLIPPLKALFAGDIEEMBE 780
Db      721 MLNHSORVAKVPLSPNFSEKVGAFDMMKVCFGDFPTMPLIPPLKALFAGDIEEMBE 780
Qy      781 RREKELQVRAALLSRELAGLEDEBPQOKRAHTEBPQAKKVRQA 826
Db      781 RREKELQVRAALLSRELAGLEDEBPQOKRAHTEBPQAKKVRQA 826

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RESULT 9

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US-09-988-686-226
; Sequence 226, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,686
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 226
; LENGTH: 826
; TYPE: PRT
; ORGANISM: Gorilla gorilla
US-09-988-686-226

```

```

Query Match      98.5%; Score 4261; DB 11; Length 826;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 814; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

```

```

Qy      1 MMALCSLSAAGRTMSQRTTSQAPARRERPKDPLRLTRREKRGSGSGGPTVTL 60
Db      1 MMALCSLSAAGRTMSQRTTSQAPARRERPKDPLRLTRREKRGSGSGGPTVTL 60
Qy      61 QVVAAGSRDGAALVYFSEFNRYLTFNCGEGVQRLMOEHKLKVRLDNIPLTRMHSNVG 120
Db      61 QVVAAGSRDGAALVYFSEFNRYLTFNCGEGVQRLMOEHKLKVRLDNIPLTRMHSNVG 120
Qy      121 LSGMITLTKETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIILAVRPHSAPEYEDETMTV 180
Db      121 LSGMITLTKETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIILAVRPHSAPEYEDETMTV 180
Qy      181 YOIPHSSEQRGRHQWQSPERPLSRLSPERSSDSESNENEPHLPHGVQORGVNDSILV 240
Db      181 YOIPHSSEQRGRHQWQSPERPLSRLSPERSSDSESNENEPHLPHGVQORGVNDSILV 240

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QY 241 VAFICKLHAKGNFLVLAKEKMGLPVGTAAIAPIIAAVVDGKSTHREGEILAEELCTPP 300
DB 241 VAFICKLHAKGNFLVLAKEKMGLPVGTAAIAPIIAAVVDGKSTHREGEILAEELCTPP 300
QY 301 DPGAAFFVVECPDESFIQPIICENATFORYGKADAPVALVYMAAPASVLYDSRYQOMMER 360
DB 301 DPGAAFFVVECPDESFIQPIICENATFORYGKADAPVALVYMAAPASVLYDSRYQOMMER 360
QY 361 FGPDTQHLVLENCSVYHNRSHKIQOTQNLHPDIIPLLTSFRCKKGPITLSVPMVGE 420
DB 361 FGPDTQHLVLENCSVYHNRSHKIQOTQNLHPDIIPLLTSFRCKKGPITLSVPMVGE 420
QY 421 CLKYQALPRRERWQDAITTCNPEEFIVEALQLPNFQOSVOEYRSADGPAPAEKRSQY 480
DB 421 CLKYQALPRRERWQDAITTCNPEEFIVEALQLPNFQOSVOEYRSADGPAPAEKRSQY 480
QY 481 PEIIFLGTSALPMKIRNVASATLVNISPDTSILLDCGEGTFGQLCRHYGDQVDRVLGTLA 540
DB 481 PEIIFLGTSALPMKIRNVASATLVNISPDTSILLDCGEGTFGQLCRHYGDQVDRVLGTLA 540
QY 541 AVFVSHLHADHHTGPISTLLQREKALASLGRPLHPLVVAAPNQLKAMTQQYHNOQOEVILH 600
DB 541 AVFVSHLHADHHTGPISTLLQREKALASLGRPLHPLVVAAPNQLKAMTQQYHNOQOEVILH 600
QY 601 HISMIPAKLOEGAEISSPAVERLISLLRTCDLREFPOTCLVRHCKHAFGCALVHTSGMK 660
DB 601 HISMIPAKLOEGAEISSPAVERLISLLRTCDLREFPOTCLVRHCKHAFGCALVHTSGMK 660
QY 661 VVYSGDTMPCBALVWGMKDATLLIHEATLEDGLBEEAVEKHTSTTSQAISVGMNNAEPI 720
DB 661 VVYSGDTMPCBALVWGMKDATLLIHEATLEDGLBEEAVEKHTSTTSQAISVGMNNAEPI 720
QY 721 MLNHFSGRYAKVPLFSPNPESEKGVAFDMMKVCFGDFTMPKLIPLKALFAGDIEEMBE 780
DB 721 MLNHFSGRYAKVPLFSPNPESEKGVAFDMMKVCFGDFTMPKLIPLKALFAGDIEEMBE 780
QY 781 RREKRELROYRAALISRELAGLEDGEPOQKRAHTEEPQAKKVRRAQ 826
DB 781 RREKRELROYRAALISRELAGLEDGEPOQKRAHTEEPQAKKVRRAQ 826

```

```

RESULT 10
US-09-988-626-222
; Sequence 222, Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988, 626
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 2000-05-05
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 222
; LENGTH: 822
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-988-626-222
Query Match 80.3%; Score 3473.5; DB 11; Length 822;
Best Local Similarity 80.5%; Pred. No. 0;

```

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Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6;
QY 1 MMALCSLLRSAAAGRTSGRTISQAPARRPRKQPLHLTRERKSGSGCGGPNYYTL 60
DB 1 MMALCSLLRSAAAGRTSGRTISQAPARRPRKQPLHLTRERKSGSGCGGPNYYTL 60
QY 61 QVVAAGSRDGAALVYFSEFNRYLFPNCGEYQRLMOEHKLKVARLDNI FLTRMHSNVGG 120
DB 61 QVVAAGSRDGAALVYFSEFNRYLFPNCGEYQRLMOEHKLKVARLDNI FLTRMHSNVGG 120
QY 53 QVVAAGSRDGAALVYFSEFNRYLFPNCGEYQRLMOEHKLKVARLDNI FLTRMHSNVGG 112
DB 53 QVVAAGSRDGAALVYFSEFNRYLFPNCGEYQRLMOEHKLKVARLDNI FLTRMHSNVGG 112
QY 121 LSGMITLTKETGPKCVTSGPPQLEKYLEAKITRSGPLKGIELAVRHSAPREDEMTIV 180
DB 121 LSGMITLTKETGPKCVTSGPPQLEKYLEAKITRSGPLKGIELAVRHSAPREDEMTIV 180
QY 113 LCGMITLTKETGPKCVTSGPPQLEKYLEAKITRSGPLKGIELAVRHSAPREDEMTIV 172
DB 113 LCGMITLTKETGPKCVTSGPPQLEKYLEAKITRSGPLKGIELAVRHSAPREDEMTIV 172
QY 181 YQIPHSRGRGKQPMQSPERPLSRSPERSSPSESENEPPLPHGSGORGV-RDSSL 239
DB 181 YQIPHSRGRGKQPMQSPERPLSRSPERSSPSESENEPPLPHGSGORGV-RDSSL 239
QY 173 YQIPHSRGRGKQPMQSPERPLSRSPERSSPSESENEPPLPHGSGORGV-RDSSL 226
DB 173 YQIPHSRGRGKQPMQSPERPLSRSPERSSPSESENEPPLPHGSGORGV-RDSSL 226
QY 240 VAFICKLHAKGNFLVLAKEKMGLPVGTAAIAPIIAAVVDGKSTHREGEILAEELCTP 299
DB 240 VAFICKLHAKGNFLVLAKEKMGLPVGTAAIAPIIAAVVDGKSTHREGEILAEELCTP 299
QY 227 VVAFVCKLHAKGNFLVLAKEKMGLPVGTAAIAPIIAAVVDGKSTHREGEILAEELCTP 286
DB 227 VVAFVCKLHAKGNFLVLAKEKMGLPVGTAAIAPIIAAVVDGKSTHREGEILAEELCTP 286
QY 300 DPGAAFFVVECPDESFIQPIICENATFORYGKADAPVALVYMAAPASVLYDSRYQOMME 359
DB 300 DPGAAFFVVECPDESFIQPIICENATFORYGKADAPVALVYMAAPASVLYDSRYQOMME 359
QY 287 PDGGLVIFVVECPDEGFTLPICENTDFKRYQAEADAPVALVHTIABESVLLIDRYQOMME 346
DB 287 PDGGLVIFVVECPDEGFTLPICENTDFKRYQAEADAPVALVHTIABESVLLIDRYQOMME 346
QY 360 RGPDTQHLVLENCSVYHNRSHKIQOTQNLHPDIIPLLTSFRCKKGPITLSVPMVGE 419
DB 360 RGPDTQHLVLENCSVYHNRSHKIQOTQNLHPDIIPLLTSFRCKKGPITLSVPMVGE 419
QY 347 RGPDTQHLVLENCSVYHNRSHKIQOTQNLHPDIIPLLTSFRCKKGPITLSVPMVGE 406
DB 347 RGPDTQHLVLENCSVYHNRSHKIQOTQNLHPDIIPLLTSFRCKKGPITLSVPMVGE 406
QY 420 ECLLYQALPRRERWQDAITTCNPEEFIVEALQLPNFQOSVOEYRSADGPAPAEKRSQ 479
DB 420 ECLLYQALPRRERWQDAITTCNPEEFIVEALQLPNFQOSVOEYRSADGPAPAEKRSQ 479
QY 407 ECLLYQALPRRERWQDAITTCNPEEFIVEALQLPNFQOSVOEYRSADGPAPAEKRSQ 466
DB 407 ECLLYQALPRRERWQDAITTCNPEEFIVEALQLPNFQOSVOEYRSADGPAPAEKRSQ 466
QY 480 YPEIIFLGTSALPMKIRNVASATLVNISPDTSILLDCGEGTFGQLCRHYGDQVDRVLGTL 539
DB 480 YPEIIFLGTSALPMKIRNVASATLVNISPDTSILLDCGEGTFGQLCRHYGDQVDRVLGTL 539
QY 467 YPEIIFLGTSALPMKIRNVASATLVNISPDTSILLDCGEGTFGQLCRHYGDQVDRVLGTL 526
DB 467 YPEIIFLGTSALPMKIRNVASATLVNISPDTSILLDCGEGTFGQLCRHYGDQVDRVLGTL 526
QY 540 AAVFVSHLHADHHTGPISTLLQREKALASLGRPLHPLVVAAPNQLKAMTQQYHNOQOEVILH 599
DB 540 AAVFVSHLHADHHTGPISTLLQREKALASLGRPLHPLVVAAPNQLKAMTQQYHNOQOEVILH 599
QY 527 TAVFVSHLHADHHTGPISTLLQREKALASLGRPLHPLVVAAPNQLKAMTQQYHNOQOEVILH 586
DB 527 TAVFVSHLHADHHTGPISTLLQREKALASLGRPLHPLVVAAPNQLKAMTQQYHNOQOEVILH 586
QY 600 HISMIPAKLOEGAEISSPAVERLISLLRTCDLREFPOTCLVRHCKHAFGCALVHTSGMK 659
DB 600 HISMIPAKLOEGAEISSPAVERLISLLRTCDLREFPOTCLVRHCKHAFGCALVHTSGMK 659
QY 587 HHVSMIPAKLOEGAEISSPAVERLISLLRTCDLREFPOTCLVRHCKHAFGCALVHTSGMK 646
DB 587 HHVSMIPAKLOEGAEISSPAVERLISLLRTCDLREFPOTCLVRHCKHAFGCALVHTSGMK 646
QY 660 KVVYSGDTMPCBALVWGMKDATLLIHEATLEDGLBEEAVEKHTSTTSQAISVGMNNAEPI 719
DB 660 KVVYSGDTMPCBALVWGMKDATLLIHEATLEDGLBEEAVEKHTSTTSQAISVGMNNAEPI 719
QY 720 IMLNHFSGRYAKVPLFSPNPESEKGVAFDMMKVCFGDFTMPKLIPLKALFAGDIEEMBE 779
DB 720 IMLNHFSGRYAKVPLFSPNPESEKGVAFDMMKVCFGDFTMPKLIPLKALFAGDIEEMBE 779
QY 707 IMLNHFSGRYAKVPLFSPNPESEKGVAFDMMKVCFGDFTMPKLIPLKALFAGDIEEMBE 766
DB 707 IMLNHFSGRYAKVPLFSPNPESEKGVAFDMMKVCFGDFTMPKLIPLKALFAGDIEEMBE 766
QY 780 EREKRELROYRAALISRELAGLEDGEPOQKRAHTEEPQAKKVRRAQ 822
DB 780 EREKRELROYRAALISRELAGLEDGEPOQKRAHTEEPQAKKVRRAQ 822
QY 767 EREKRELROYRAALISRELAGLEDGEPOQKRAHTEEPQAKKVRRAQ 811
DB 767 EREKRELROYRAALISRELAGLEDGEPOQKRAHTEEPQAKKVRRAQ 811

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RESULT 11
US-09-988-687-222
; Sequence 222, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988, 687

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/ CURRENT FILING DATE: 2001-11-20
/ PRIOR APPLICATION NUMBER: 09/564,805
/ PRIOR FILING DATE: 2000-05-05
/ PRIOR APPLICATION NUMBER: US 60/107,468
/ PRIOR FILING DATE: 1998-11-06
/ PRIOR APPLICATION NUMBER: 09/434,382
/ PRIOR FILING DATE: 1999-11-05
/ NUMBER OF SEQ ID NOS: 240
/ SOFTWARE: Patentn Ver. 2.0
/ SEQ ID NO: 222
/ LENGTH: 822
/ TYPE: PRF
/ ORGANISM: Mus musculus
US-09-988-687-222

```

```

Query Match      80.3%; Score 3473.5; DB 11; Length 822;
Best Local Similarity 80.5%; Pred. No. 0;
Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6;

QY 1 MMALCSLRLSAAAGRTWSGRTTSQAAPARRERPKDPLRLTRERKRGSGCGGPTVYL 60
DB 1 MMALRLSLRLPLGRITMSQG-----SARRPRPKDPLRLTRERKRGPG--PGGPTVYL 52
QY 61 QVAAAGSRDGAALVVFSEFNRYLFNCGEGVORLMOEHKLVARLDNITLTMHMSNVG 120
DB 53 QVAAAGRDGAALVVFSEFNRYLFNCGEGVORLMOEHKTESRLDNITLTMHMSNVG 112
QY 121 LSGMITLTKETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHAPREYEDETMTV 180
DB 113 LSGMITLTKETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHAPREYEDETMTV 172
QY 181 YQIPHSERCKGKQWQSPERPLSLSPSSSDSSSENENEPHLPHGVQQRGV--RDSGL 239
DB 173 YQVPIHSERCKGKQWQSPERPLSLSPSSSDSSSENENEPHLPHGVQQRGV--RDSGL 226
QY 240 VVAFLCKHLKRGKGNFLVLAKEKMGLEVGTAIAPIIAAYDQKSTHGREILAEELCTP 299
DB 227 VVAFLCKHLKRGKGNFLVLAKEKMGLEVGTAIAPIIAAYDQKSTHGREILAEELCTP 286
QY 300 PDBGAALVVFVECDSEFIQPIICENATFORYOQKADAPVALVYHMAFASVLYVDSRYQOME 359
DB 287 PDBGLVFIIVECDSEFIQPIICENDTFKRYQAEADAPVALVYHMAFASVLYVDSRYQOME 346
QY 360 RRGPDYQHLVLENKCSVHNLRSKIQOTQLNIHPDIFPLLTFRCKKGGPTLSVPMVG 419
DB 347 RRGPDYQHLVLENKCSVHNLRSKIQOTQLNIHPDIFPLLTFRCKKGGPTLSVPMVG 406
QY 420 ECLLKYLQLRPRRQWQDAIITCNPEEFIVEALQLPNFQOSVOEYRSADGPAPAKRSQ 479
DB 407 ECLLKYSVPRRQWQDITLDCNTDFEIAELPFSFOESVEERYKQVQENPAPAKRSQ 466
QY 480 YPEIIFLGTSALPMKIRNVASATLVNISPTSLILDCGEGTQGLCRHNGDQVRLGTL 539
DB 467 YPEIIFLGTSALPMKIRNVASATLVNISPTSLILDCGEGTQGLCRHNGDQVRLGTL 526
QY 540 AAFVSHLHADHHTGSPSILQERERASLGRPLHPLVVAFQNLKAMLDQYHNOCQEV 599
DB 527 TAVFVSHLHADHHTGSPSILQERERASLGRPLHPLVVAFQNLKAMLDQYHNOCQEV 586
QY 600 HHISMI PAKCLQGAIESSPAVERLISLITRTCDLEEFQTCVLRHCKGAFGALVHTSG 659
DB 587 HHVSMI PAKCLQGAIESSPAVERLISLITRTCDLEEFQTCVLRHCKGAFGALVHTSG 646
QY 660 KVVYSDPTMPCALVVMGKQATLLIHEATLEDELEEAVERKSTTSQALNVAMRNAAE 719
DB 647 KVVYSDPTMPCALVVMGKQATLLIHEATLEDELEEAVERKSTTSQALNVAMRNAAE 706
QY 720 IMNHSORAKYPLPSPNFSEKGVAFDMKVCFGDFPTMPLIPLKALFAGDIEEM 779
DB 707 IMNHSORAKYPLPSPNFSEKGVAFDMKVCFGDFPTMPLIPLKALFAGDIEEM 766
QY 780 ERREKRELQVRAALLSRELAGLEDEPOQKRAHTEE---POAKK 822

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DB 767 ERREKRELQVRAALLSRELAGLEDEPOQKRAHTEEHPQSK 811

RESULT 12
US-09-988-686-222
/ Sequence 222, Application US/09988686
/ Publication No. US20030120052A1
/ GENERAL INFORMATION:
/ APPLICANT: Tavligian, Sean V.
/ APPLICANT: Teng, David H.F.
/ APPLICANT: Simard, Jacques
/ APPLICANT: Rommens, Johanna M.
/ TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
/ FILE REFERENCE: 2318-258
/ CURRENT APPLICATION NUMBER: US/09/988,686
/ CURRENT FILING DATE: 2001-11-20
/ PRIOR APPLICATION NUMBER: 09/564,805
/ PRIOR FILING DATE: 2000-05-05
/ PRIOR APPLICATION NUMBER: US 60/107,468
/ PRIOR FILING DATE: 1998-11-06
/ PRIOR APPLICATION NUMBER: 09/434,382
/ NUMBER OF SEQ ID NOS: 240
/ SOFTWARE: Patentn Ver. 2.0
/ SEQ ID NO: 222
/ LENGTH: 822
/ TYPE: PRF
/ ORGANISM: Mus musculus
US-09-988-686-222

```

```

Query Match      80.3%; Score 3473.5; DB 11; Length 822;
Best Local Similarity 80.5%; Pred. No. 0;
Matches 665; Conservative 66; Mismatches 76; Indels 19; Gaps 6;

QY 1 MMALCSLRLSAAAGRTWSGRTTSQAAPARRERPKDPLRLTRERKRGSGCGGPTVYL 60
DB 1 MMALRLSLRLPLGRITMSQG-----SARRPRPKDPLRLTRERKRGPG--PGGPTVYL 52
QY 61 QVAAAGSRDGAALVVFSEFNRYLFNCGEGVORLMOEHKLVARLDNITLTMHMSNVG 120
DB 53 QVAAAGRDGAALVVFSEFNRYLFNCGEGVORLMOEHKTESRLDNITLTMHMSNVG 112
QY 121 LSGMITLTKETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHAPREYEDETMTV 180
DB 113 LSGMITLTKETGLPKCVLSGPPQLEKYLEAIKIFSGPLKGIELAVRPHAPREYEDETMTV 172
QY 181 YQIPHSERCKGKQWQSPERPLSLSPSSSDSSSENENEPHLPHGVQQRGV--RDSGL 239
DB 173 YQVPIHSERCKGKQWQSPERPLSLSPSSSDSSSENENEPHLPHGVQQRGV--RDSGL 226
QY 240 VVAFLCKHLKRGKGNFLVLAKEKMGLEVGTAIAPIIAAYDQKSTHGREILAEELCTP 299
DB 227 VVAFLCKHLKRGKGNFLVLAKEKMGLEVGTAIAPIIAAYDQKSTHGREILAEELCTP 286
QY 300 PDBGAALVVFVECDSEFIQPIICENATFORYOQKADAPVALVYHMAFASVLYVDSRYQOME 359
DB 287 PDBGLVFIIVECDSEFIQPIICENDTFKRYQAEADAPVALVYHMAFASVLYVDSRYQOME 346
QY 360 RRGPDYQHLVLENKCSVHNLRSKIQOTQLNIHPDIFPLLTFRCKKGGPTLSVPMVG 419
DB 347 RRGPDYQHLVLENKCSVHNLRSKIQOTQLNIHPDIFPLLTFRCKKGGPTLSVPMVG 406
QY 420 ECLLKYLQLRPRRQWQDAIITCNPEEFIVEALQLPNFQOSVOEYRSADGPAPAKRSQ 479
DB 407 ECLLKYSVPRRQWQDITLDCNTDFEIAELPFSFOESVEERYKQVQENPAPAKRSQ 466
QY 480 YPEIIFLGTSALPMKIRNVASATLVNISPTSLILDCGEGTQGLCRHNGDQVRLGTL 539
DB 467 YPEIIFLGTSALPMKIRNVASATLVNISPTSLILDCGEGTQGLCRHNGDQVRLGTL 526
QY 540 AAFVSHLHADHHTGSPSILQERERASLGRPLHPLVVAFQNLKAMLDQYHNOCQEV 599

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Db      527 TAVFVSHLADHHTGLINILQREHALASLCKPFGQLVVAPTQLRAWLQOYHNMCOBIL 586
Qy      600 HHIMIPAKCLOEAGETSSPAVERLISLARTCLUEEFGTCLVHCKRAFGCALVHTSGM 659
Db      587 HHVSMIPKCKLOEAGVSNNTLERLISLLETCTDLEEFOTCLVHCKRAFGCALVHTSGM 646
Qy      660 KVVVSGDTPCEALVVMGKDATLLIHEATLEDGEEBAVEKTHSTTSQAIISVGMNMAEF 719
Db      647 KVVVSGDTPCEALVVMGKDATLLIHEATLEDGEEBAVEKTHSTTSQAIISVGMNMAEF 706
Qy      720 IMLNHSORVAKVPLFSPNFSKGVAFDHNKVCFGDFPTMPKLIPLIKALFAGDIEEME 779
Db      707 IMLNHSORVAKVPLFSPNFSKGVAFDHNKVCFGDFPTMPKLIPLIKALFAGDIEEME 766
Qy      780 ERREKRELVRAALLSRELAGLEDGEPQOKRATTE---PQAKK 822
Db      767 ERREKRELVRAALLSRELAGLEDGEPQOKRATTE---PQAKK 811

```

RESULT 13

```

US-09-988-626-228
; Sequence 228, Application US/09988626
; Publication No. US20030044959a1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 228
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-09-988-626-228

```

Query Match 20.2%; Score 875.5; DB 11; Length 837;

Best Local Similarity 29.4%; Pred. No. 6.8e-75; Indels 175; Gaps 28;

Matches 250; Conservative 128; Mismatches 297;

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Qy      41 RTREKRGSGSGGSENV-YLVVAVAG--SRDSGAALVYFSEFNRYLTFNCGEVQRLMOE 97
Db      39 RKSQGLNT-----NTIAVAGIILGTMDTDTSTSSVLLFPKXKGFIRNAGSGLORFCTE 92
Qy      98 HKLVAARDNITFLTRMHSNVGSLGMLTYLK--ETGLPKCVLSGPPQLEKYLEAIIKF 154
Db      93 HKIKLSKIDHVELSVCSSETAGLPLGLLLTLAIGIEEGSLVAVW--GPSDLNVLVAMKSF 151
Qy      155 SGPGLGIL-AVRPSAPE---YEDMTVYQI---PIHSQRGRGKHQPMQSPRPISR 206
Db      152 IPRAMVTRSGSPSTDPPIVLVNDVVKISAILLKCHSE----- 194
Qy      207 LSPERSDSSESNENEPHLPHGVQRGVDSLLVAFICKLTKRGNFLVLAKEM-GLP 265
Db      195 -----DS-----GNKSGDLVVVVYVCELPETIGKPLLEKAKVFGVK 230
Qy      266 VGTAAIAPIIAAVKDGKSTHEGREILA--BELCTPPDPGAAFAVYVECPDESFIQPICN 323
Db      231 PG-----PKYSRLQGESVSKVSDERDITVHPSPDMGSPISLPGPILVLDGCTESHAAELPSL 285

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Qy      324 ATFORYQKADAP-----VALVHMADPASYLVDSRYQOMMERGPDTQHLV----- 369
Db      286 KSLSEYSSPDEQITGAKFVNCIHLSPSSVTSPTQSWMKFHL-TQHILAGHORELP 344
Qy      370 -----LNENCAVHNLRSHKIQOTQNLHHPDIFPLITSRCCKEGSTLSVPMQG 419
Db      345 LLIIVSHQKTRKMWAPPILKASSRIARLNLYLCPFFPAPGFWPSQLTDSNIDTPSN 404
Qy      420 ECLKYOLRP--REMOQDAIITCNPEEFIVEAL--CLPNFQSQVEYR--SAODGPAP 473
Db      405 ----KPNLRPAITIGIDRSCTIPALITSEVDELSEIPEIKDSSEIKQPMNQHNMTI 460
Qy      474 AEK-----RSQYBEIIFLGTSALIPMKIRNVGATLVNISPTSLIDC 516
Db      461 IEXLMSECNVLPNCEKIRDMMEIYIGTSSQSKYANVAIFIDLSRGLDLC 520
Qy      517 GEGTFGOLCRHYG-DQDVRVLGTLAAVAVSHLADHHTGULPSILQRRALASLCKPLRP 575
Db      521 GEGTLGOLKRRYGDGADAVRKLRCIWSIHADHHTGLARILALRSKLIK--GVTHRP 578
Qy      576 LTVVAPNQLKAMLQOYHMQCEVLHHTSMIPAKC-----LOEGAEI-----SS 618
Db      579 VIVVGPRLKRFDAYQR-----LEDLMEFLDKRSTTATSWASISGGEABGSLFTQGS 633
Qy      619 PAVE-----RLISSLRCTDLEEFOTCLVHCKRAFGCALVHTS--- 657
Db      634 PMQSVFKRSDISMNNSVTLCLKNLKVYLSIGLNDLSPFVHCPQAYGVVIAKAEAVN 693
Qy      658 -----GKRVYVSGDTPCEALVVMGKDATLLIHEATLEDGEEBAVEKTHSTTSQAI 710
Db      694 SVGEQILGKRVYSGDSRCPETVEASRDATILLIHEATFEDALLIEALAKHSTTKAID 753
Qy      711 VGMNMAEFIMLNHSORVAKVPLFSPNFSKGVAFDHNKVCFGDFPTMPKLIPLIAL 770
Db      754 VGSANVRIVLTHHSQRPKIPVIDESHMNTCIAFLMSINMADLHVLKVLPEYFTL 813
Qy      771 FADGIEEMEE 780
Db      814 FRDEMVEDED 823

```

RESULT 14

```

US-09-988-687-228
; Sequence 228, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 228
; LENGTH: 837
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-09-988-687-228

```

Query Match 20.2%; Score 875.5; DB 11; Length 837;

Best Local Similarity 29.4%; Pred. No. 6.8e-75;

Matches 250; Conservative 128; Mismatches 297; Indels 175; Gaps 28;

OY 711 VGMNNAEFIMLNHFSORVAKVPLFSPNFSEKVGVAFDHMKVCFGDPTMPKLIPLKAL 770
DB 754 VGSANVYRIYVLTHTFSQRYPKIPVIDESHMNTCIAFDLMSINMADLHVLPKVLPYFKTL 813
OY 771 FAGDIEEMEE 780
DB 814 FRDEWVEDED 823

Search completed: January 13, 2004, 18:14:00
Job time : 42 secs

OM nucleic - nucleic search, using sw model

Title: US-09-434-382-1

Scoring table: IDENTITY_NUC

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

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Minimum DB seq length: 0
Maximum DB seq length: 20000000000
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Post-processing:	Minimum Match	0%
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Listing first 45 summaries

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Database :      Issued Patents NA:*
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2:  /cgn2_6/prodata/2/ina/5B_COMB.seq:*
3:  /cgn2_6/prodata/2/ina/5A_COMB.seq:*
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5:  /cgn2_6/prodata/2/ina/PCTUS_COMB.seq:*
6:  /cgn2_6/prodata/2/ina/backfiles1.seq:*

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Result No.	Query Match	Length	DB	ID	Description
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1	2481	100.0	2481	4	US-09-564-805-1	Sequence 1, Appl1
2	2481	100.0	2958	4	US-09-564-805-3	Sequence 3, Appl1
3	2455.4	99.0	2908	4	US-09-564-805-223	Sequence 223, Appl1
4	2442.6	98.5	2892	4	US-09-564-805-225	Sequence 225, Appl1
5	1645.6	66.3	2470	4	US-09-564-805-221	Sequence 221, Appl1
6	247.4	10.0	350	4	US-09-564-805-210	Sequence 210, Appl1
7	247.4	10.0	26664	4	US-09-564-805-28	Sequence 28, Appl1
8	245	9.9	295	4	US-09-564-805-4	Sequence 4, Appl1
9	237	9.6	238	3	US-09-564-805-11-315	Sequence 315, Appl1
10	228	9.2	655	4	US-09-564-805-27	Sequence 27, Appl1
11	145	5.8	145	4	US-09-564-805-26	Sequence 26, Appl1
12	139	5.6	139	4	US-09-564-805-16	Sequence 16, Appl1
13	139	5.6	139	4	US-09-564-805-20	Sequence 20, Appl1
14	131	4.9	121	4	US-09-564-805-24	Sequence 24, Appl1
15	120	4.8	120	4	US-09-564-805-10	Sequence 10, Appl1
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17	113.6	4.6	326	4	US-09-564-805-212	Sequence 212, Appl1
18	113	4.6	113	4	US-09-564-805-14	Sequence 14, Appl1
19	110	4.4	110	4	US-09-564-805-22	Sequence 22, Appl1
20	100	4.0	100	4	US-09-564-805-23	Sequence 23, Appl1
21	97	3.9	97	4	US-09-564-805-19	Sequence 19, Appl1
22	96	3.9	96	4	US-09-564-805-15	Sequence 15, Appl1
23	86	3.5	86	4	US-09-564-805-17	Sequence 17, Appl1
24	79	3.2	79	4	US-09-564-805-25	Sequence 25, Appl1
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28	65	2.6	65	4	US-09-564-805-7	Sequence 7, Appl 1
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31	58.4	2.4	2517	3	US-09-311-794-85	Sequence 51, Appl 1
32	58.4	2.4	2517	3	US-09-389-841-81	Sequence 51, Appl 1
33	58	2.3	58	4	US-09-564-805-8	Sequence 8, Appl 1
34	51	2.1	51	4	US-09-564-805-5	Sequence 5, Appl 1
35	48.6	2.0	411129	3	US-09-103-8400-1	Sequence 1, Appl 1
36	48.2	1.9	1926	4	US-09-249-585A-2	Sequence 2, Appl 1
37	48.2	1.9	1926	4	US-09-410-339-3	Sequence 3, Appl 1
38	48.2	1.9	2580	3	US-09-050-863-2	Sequence 2, Appl 1
39	48.2	1.9	2580	4	US-09-359-081-2	Sequence 2, Appl 1
40	48.2	1.9	5452	2	US-09-130-114-1	Sequence 1, Appl 1
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45	48.2	1.9	10586	1	US-07-885-971-5	Sequence 15, Appl 1

; Sequence 1, Application US/09564803

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GENERAL INFORMATION:
APPLICANT: Tavligian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIORITY APPLICATION NUMBER: US 60/107,468
PRIORITY FILING DATE: 1998-11-06
PRIORITY APPLICATION NUMBER: 09/434,382
PRIORITY FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 2481
TYPE: DNA
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: CDS
LOCATION: (1)..(2478)
US-09-564-805-1

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Query Match	100.0%;	Score 2481;	DB 4;	Length 2481;
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Db 61 ACCATATCGCAGGCACCCGCCGCCGCGAGCGGGCCGCCAAGACCCGCTGCCGCACCTG 120

121 CGCACGCGAGAGAGCGCGGACCGTCCGGGTGCTCCGGCGGCCCAACAACCGTGTA

Db 121 CGCACGCGAGAGCGCGGACCGTCCGGGGTGTCTCCGGCGGCCCAACAACCGTGTA

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Db	241	AACGGGTATCTCTTCAACTGTGGAGGAAGGCGTTGAGAGACTCAGCAGGAGCAACAATT	300
QY	301	AAGGTGTCCCTGAGCAACATATTTCTGTACAAGATGCACTGTGTAAATGTTGGGGGC	360
Db	301	AAGGTGTCCCTGAGCAACATATTTCTGTACAAGATGCACTGTGTAAATGTTGGGGGC	360
QY	361	TTAAGTGAATGATTTCTTACTTTAAAGAAACCGGGCTTCCAAAGTGTGTACTTTCTGGA	420
Db	361	TTAAGTGAATGATTTCTTACTTTAAAGAAACCGGGCTTCCAAAGTGTGTACTTTCTGGA	420
QY	421	CCTCCACAACCTGGAAAAATTAACCTGGAACCATCAAAATATTTCTGTGCCATTGAAAGGA	480
Db	421	CCTCCACAACCTGGAAAAATTAACCTGGAACCATCAAAATATTTCTGTGCCATTGAAAGGA	480
QY	481	ATGAAATCTGGCTGTGCGGGCCCACTCTGCCCCAGAAATACAGAGATGAAGAACCATGACATT	540
Db	481	ATGAAATCTGGCTGTGCGGGCCCACTCTGCCCCAGAAATACAGAGATGAAGAACCATGACATT	540
QY	541	TACCAAGATCCCCATACACAGTGAACAGAGAGGGGAAAGCCAAACCATGACAGATCCA	600
Db	541	TACCAAGATCCCCATACACAGTGAACAGAGAGGGGAAAGCCAAACCATGACAGATCCA	600
QY	601	GAAAGGCTCTTCAGAGAGGCTCAGTCCAAAGGATTTTCAGCTCCGAGTGAATGAATAAT	660
Db	601	GAAAGGCTCTTCAGAGAGGCTCAGTCCAAAGGATTTTCAGCTCCGAGTGAATGAATAAT	660
QY	661	GAGCCACACTTCCCATGTGTGTAGCCAGAGAAAGGGGATCAGGGACTCTTCTCGTGC	720
Db	661	GAGCCACACTTCCCATGTGTGTAGCCAGAGAAAGGGGATCAGGGACTCTTCTCGTGC	720
QY	721	GTAAGCTTCACTGTGAAGCTTCACTTAAAGAGAGAACTTTGTGTCTCAAAAGCAAG	780
Db	721	GTAAGCTTCACTGTGAAGCTTCACTTAAAGAGAGAACTTTGTGTCTCAAAAGCAAG	780
QY	781	GAGATGGGCTCTCCAGTGGGAGACAGCTGCCATCGTCCCATATTTGCTGCTGTCAAGAC	840
Db	781	GAGATGGGCTCTCCAGTGGGAGACAGCTGCCATCGTCCCATATTTGCTGCTGTCAAGAC	840
QY	841	GGGAAAGAGATCACTCATGAAGAAAGAGATTTTGTGCTGAAGAGCTGTACTCTCCA	900
Db	841	GGGAAAGAGATCACTCATGAAGAAAGAGATTTTGTGCTGAAGAGCTGTACTCTCCA	900
QY	901	GATCTGTGCTGCTTTTGTGTGTAGATGTCCAGATGAAGCTTATTCAAACCATC	960
Db	901	GATCTGTGCTGCTTTTGTGTGTAGATGTCCAGATGAAGCTTATTCAAACCATC	960
QY	961	TGTGGAATGCGACCTTTTCAGAGGTACCAAGAAAGGACAGATGCCCCCGTGGCTTGGTG	1020
Db	961	TGTGGAATGCGACCTTTTCAGAGGTACCAAGAAAGGACAGATGCCCCCGTGGCTTGGTG	1020
QY	1021	GTTTCACATGAGCCCCAGACATCTGTGCTGTGGAACAGACAGTACACAGATGATGAGAGG	1080
Db	1021	GTTTCACATGAGCCCCAGACATCTGTGCTGTGGAACAGACAGTATGATGAGAGG	1080
QY	1081	TTTGGGCGCTGACCCAGACCTTGTGCTGTGAATGAACTGTGCTCAGTTCAACAATT	1140
Db	1081	TTTGGGCGCTGACCCAGACCTTGTGCTGTGAATGAACTGTGCTCAGTTCAACAATT	1140
QY	1141	CGCAGCCACAGATTCAAACCCAGCTCAACTCATCCACCGGACATCTTCCCCCTGCTC	1200
Db	1141	CGCAGCCACAGATTCAAACCCAGCTCAACTCATCCACCGGACATCTTCCCCCTGCTC	1200
QY	1201	ACCAATTTCCGCTGTGAAGAGAGGGCCCCACCTTCAGTGTGCCATGCTTCAAGGTGA	1260
Db	1201	ACCAATTTCCGCTGTGAAGAGAGGGCCCCACCTTCAGTGTGCCATGCTTCAAGGTGA	1260
QY	1261	TGCTCTCTCAATACCAAGTCCGCTCCAGAGAGAGTGGCAGAGGAGATTAATTA	1320
Db	1261	TGCTCTCTCAATACCAAGTCCGCTCCAGAGAGAGTGGCAGAGGAGATTAATTA	1320
QY	1321	TGCAATCCTGAGGAATCATAGTTGAGGCGCTGACCTTCCCAATTCACAGACGCGT	1380

D	b	1321	TCGATCTCTGAGGATTCATATGTTGAGGGCTGACGTTCCAACTTCAGCAGAGGCTG	1380
Q	y	1381	CAGAGATACAGAGAGATGCTGCAGAGACGGCCCAAGCCCAAGAGAAAAGATCACTAC	1440
D	b	1381	CAGAGATACAGAGAGATGCTGCAGAGACGGCCCAAGCCCAAGAGAAAAGATCACTAC	1440
Q	y	1441	CCAGAAATCAATCTTCCCTTGGAAACAGGGGTCTGCCATCCGATGGAAGATTCCAAATGTCAGT	1500
D	b	1441	CCAGAAATCAATCTTCCCTTGGAAACAGGGGTCTGCCATCCGATGGAAGATTCCAAATGTCAGT	1500
Q	y	1501	GCCACACTTGTCAACATATAGCCCCGACACCGTCTCTGTACTGTGATCTGTGTGAGGGCACA	1560
D	b	1501	GCCACACTTGTCAACATATAGCCCCGACACCGTCTCTGTACTGTGATCTGTGTGAGGGCACA	1560
Q	y	1561	TTTGGGCAAGCTGTGCGCTCATTAAGAGACCAAGGTGACAGGGTCTTGGGCACCCTTGCT	1620
D	b	1561	TTTGGGCAAGCTGTGCGCTCATTAAGAGACCAAGGTGACAGGGTCTTGGGCACCCTTGCT	1620
Q	y	1621	GCTGTGTTTGTTGTTGCCCACTGACGGCAGATCACACACGGGGCTTGCCAAATATCTTGCTG	1680
D	b	1621	GCTGTGTTTGTTGTTGCCCACTGACGGCAGATCACACACGGGGCTTGCCAAATATCTTGCTG	1680
Q	y	1681	CAGAGAGAACGGCGCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTGTGCTGTGTGCTCC	1740
D	b	1681	CAGAGAGAACGGCGCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTGTGCTGTGTGCTCC	1740
Q	y	1741	CCCAACCAAGCTCAAAAGCCTGAGCTTCACAGATACACAACAAGTCCAGAGAGTCTGAC	1800
D	b	1741	CCCAACCAAGCTCAAAAGCCTGAGCTTCACAGATACACAACAAGTCCAGAGAGTCTGAC	1800
Q	y	1801	CACATCAATATGATCTCTGCGCAATAGCTTCAGAGAGGGGCTGAGATCTCAAGTCCGCA	1860
D	b	1801	CACATCAATATGATCTCTGCGCAATAGCTTCAGAGAGGGGCTGAGATCTCAAGTCCGCA	1860
Q	y	1861	GTGGAAGAATTTGATCACTTGCTGCTGTGCGCAACATGTATTTGGAAGAATTTCAAGCTGT	1920
D	b	1861	GTGGAAGAATTTGATCACTTGCTGCTGTGCGCAACATGTATTTGGAAGAATTTCAAGCTGT	1920
Q	y	1921	CTGTGTGGGCACTGCAAGCATGCGTTTGCTGTGTGCGCTGTGTCACACTCTGCTGGTGA	1980
D	b	1921	CTGTGTGGGCACTGCAAGCATGCGTTTGCTGTGTGCGCTGTGTCACACTCTGCTGGTGA	1980
Q	y	1981	GTGTCTATTTCCGGGGACACCATGCTCTGTGAGGCTCTGTGTCCGGAATGGGGAAGATGCC	2040
D	b	1981	GTGTCTATTTCCGGGGACACCATGCTCTGTGAGGCTCTGTGTCCGGAATGGGGAAGATGCC	2040
Q	y	2041	ACCCTCCGATATCATGAAAGCAACCTGTGAAAGATGTTTGGAAAGAGAACAGTGGAAAG	2100
D	b	2041	ACCCTCCGATATCATGAAAGCAACCTGTGAAAGATGTTTGGAAAGAGAACAGTGGAAAG	2100
Q	y	2101	ACACACAGCAACAAAGTCCCAAGCCATCAGCGTGGGATGCGAGTGAACGCGAGTTCATT	2160
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Q	y	2161	ATGCTGAACCACTTCAGCAGCGCTATGCGAAGTCCCCCTCTTCAGCCCCCACTTACG	2220
D	b	2161	ATGCTGAACCACTTCAGCAGCGCTATGCGAAGTCCCCCTCTTCAGCCCCCACTTACG	2220
Q	y	2221	GAGAAAGTGGGAAGTGTGCTTTGAACATATGAGGTGCTTTGGAGACTTTCACAAATG	2280
D	b	2221	GAGAAAGTGGGAAGTGTGCTTTGAACATATGAGGTGCTTTGGAGACTTTCACAAATG	2280
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D	b	2281	CCCAAGCTGATCCCCCACTGAAAGCCCTGTTTCTGTGGCAATCGAGAGATGAGAG	2340
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D	b	2341	CGCAGGGAAGACGGGAGCTGCGGACAGTGTGCGGCGGCTCTCTGTCAAGGAGCTGGCA	2400
Q	y	2401	GGCGGCTCGAGATGCGGAGCTTCAACAGAGCGGGCCACACAGAGAGGCCACAGAGCC	2460
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QY 721 GTAGCTTTCATCTGTAAAGCTTCACTTAAGAAGGAAAGCTTTGTGCTCAAGCAAG 780
DB 721 GTAGCTTTCATCTGTAAAGCTTCACTTAAGAAGGAAAGCTTTGTGCTCAAGCAAG 780
QY 781 GAAATGGGCTCCAGATGGGAGACAGCTGCATCGCTCCCATATGCTGCTGTCAAGAC 840
DB 781 GAAATGGGCTCCAGATGGGAGACAGCTGCATCGCTCCCATATGCTGCTGTCAAGAC 840
QY 841 GGGAAAGCATCTCACTGAAGAAGAGATTTTGGCTGAAGAGCTGTGATCTCCCA 900
DB 841 GGGAAAGCATCTCACTGAAGAAGAGATTTTGGCTGAAGAGCTGTGATCTCCCA 900
QY 901 GATCTGTGCTCTTTTGTGTGTGAATGTCCAGATGAAGCTTCAATTCACCCATC 960
DB 901 GATCTGTGCTCTTTTGTGTGTGAATGTCCAGATGAAGCTTCAATTCACCCATC 960
QY 961 TGTGAAGATGCCACCTTTCAGAGGTACCAAGAAAGGACATGCCCTGTGCTGTG 1020
DB 961 TGTGAAGATGCCACCTTTCAGAGGTACCAAGAAAGGACATGCCCTGTGCTGTG 1020
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DB 1021 GTTCAATGGGCCCCAGATCTGTGCTGTGAAGAGGATCCAGAGGTGAAGAGG 1080
QY 1081 TTTGGGCTGTGACACCCAGACCTTGTCTGTGAATGAAGATGTGCTTCAATTCAC 1140
DB 1081 TTTGGGCTGTGACACCCAGACCTTGTCTGTGAATGAAGATGTGCTTCAATTCAC 1140
QY 1141 CGAGAGCAAGATTTCAAAACCCAGCTCAACCTCAACCCGACATCTTCCCTGTGCTC 1200
DB 1141 CGAGAGCAAGATTTCAAAACCCAGCTCAACCTCAACCCGACATCTTCCCTGTGCTC 1200
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QY 1561 TTTGGGAGCTGTGCGCTCATTAACGAGACCAAGTGTGACAGGCTCTGGGCACTTGGCT 1620
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QY 1621 GCTGTGTTGTGTCCTGACGAGACGAGATCAACAGCGGCTTGGCAAGATTCGCTG 1680
DB 1621 GCTGTGTTGTGTCCTGACGAGACGAGATCAACAGCGGCTTGGCAAGATTCGCTG 1680
QY 1681 CAGAGAGAGCGCGCTTGGCATCTTTGGGAAAGCGCGCTTCACTTGTGCTGTGCTG 1740
DB 1681 CAGAGAGAGAGCGCGCTTGGCATCTTTGGGAAAGCGCGCTTCACTTGTGCTGTGCTG 1740
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DB 1921 CTGTGCGGACCTGCAAGCATGCGTTGCTGTGCGCTGTGCGACACTTGTGCTGAAA 1980
QY 1981 GTGTCTATTCGCGGAGACACATGCTGCTGTGAGGCTTGTCCGATGGGAAAGATGCC 2040
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DB 2041 ACCCTCTGATTAATGAAGCACTTGTGAAGATGTTTTTGAAGAGAGATGGAAG 2100
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DB 2281 CCCAAGCTGATTTCCCACTGAAAGCCCTTGTGCTGTGCGACATGCGAGATGAGAG 2340
QY 2341 CGCAGGAGAGAGCGGAGAGTGCAGAGTGCAGGCGGCGCTCTCTGTCAAGAGCTGCA 2400
DB 2341 CGCAGGAGAGAGCGGAGAGTGCAGAGTGCAGGCGGCGCTCTCTGTCAAGAGCTGCA 2400
QY 2401 GCGGCTCTGAGAGATGGGAGGCTTCAAGCAGAGCGGCGCTCAACAGAGAGCCACAGGCC 2460
DB 2401 GCGGCTCTGAGAGATGGGAGGCTTCAAGCAGAGCGGCGCTCAACAGAGAGCCACAGGCC 2460
QY 2461 AAGAGGTCAAGAGCCAGTGA 2481
DB 2461 AAGAGGTCAAGAGCCAGTGA 2481

RESULT 4
US-09-564-805-225
Sequence 225, Application US/09564805
Patent No. 633403
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Jonathan M.
TITLE OF INVENTION: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ. ID NOS: 240
SOFTWARE: Patent Ver. 2.0
SEQ ID NO 225
LENGTH: 2892
TYPE: DNA

APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 26664
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (910)..(13104)
OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
NAME/KEY: misc_feature
LOCATION: (13756)..(22917)
OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
NAME/KEY: misc_feature
LOCATION: (23045)..(26452)
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OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
OTHER INFORMATION: signal: 26447-26452
NAME/KEY: variation
LOCATION: (826)..(23879)
OTHER INFORMATION: s at positions 826 and 23180 is G or C; Y at
OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at
OTHER INFORMATION: positions 22211 and 23879 is A or G.
US-09-564-805-28

Query Match 10.0%; Score 247.4; DB 4; Length 26664;
Best Local Similarity 97.7%; Pred. No. 1.1e-57;
Matches 251; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 ATGTGGGCGCTTTGCTGCTGCTGCGGTCCGCGCGCGGACGACCATGTGCGAGGAGCGC 60
DB 910 ATGTGGGCGCTTTGCTGCTGCTGCGGTCCGCGCGCGGACGACCATGTGCGAGGAGCGC 969
QY 61 ACCATATCGAGGACGACCGCGCGCGCGGACGCGCGCGGACGACCGCGCTGCGGACCTG 120
DB 970 ACCATATCGAGGACGACCGCGCGCGCGGACGCGCGCGGACGACCGCGCTGCGGACCTG 1029
QY 121 CGCAGCGGAGAGAGCGCGGACCGTCCGGGGTGCTCCGGCGGCGCCAAACACCGTGTACTG 180
DB 1030 CGCAGCGGAGAGAGCGCGGACCGTCCGGGGTGCTCCGGCGGCGCCAAACACCGTGTACTG 1089
QY 181 CAGGTGTGCGAGCGGAGTCCGGGACTCGGGCGCGCGGCTCTACGTTCTTCGAGTTTC 240
DB 1090 CAGGTGTGCGAGCGGAGTCCGGGACTCGGGCGCGCGGCTCTACGTTCTTCGAGTTTC 1149
QY 241 AACCGGATCTCTTCA 257
DB 1150 AACCGGATCTCTTCA 1166

RESULT 8
US-09-564-805-4
Sequence 4, Application US/09564805
Patent No. 633403
GENERAL INFORMATION:

APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 295
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (51)..(295)
OTHER INFORMATION: exon 1
US-09-564-805-4

Query Match 9.9%; Score 245; DB 4; Length 295;
Best Local Similarity 100.0%; Pred. No. 4.3e-58;
Matches 245; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGTGGGCGCTTTGCTGCTGCTGCGGTCCGCGCGCGGACGACCATGTGCGAGGAGCGC 60
DB 51 ATGTGGGCGCTTTGCTGCTGCTGCGGTCCGCGCGCGGACGACCATGTGCGAGGAGCGC 110
QY 61 ACCATATCGAGGACGACCGCGCGCGGACGCGCGCGGACGACCGCGCTGCGGACCTG 120
DB 111 ACCATATCGAGGACGACCGCGCGCGGACGCGCGCGGACGACCGCGCTGCGGACCTG 170
QY 121 CGCAGCGGAGAGAGCGCGGACCGTCCGGGGTGCTCCGGCGGCGCCAAACACCGTGTACTG 180
DB 171 CGCAGCGGAGAGAGCGCGGACCGTCCGGGGTGCTCCGGCGGCGCCAAACACCGTGTACTG 230
QY 181 CAGGTGTGCGAGCGGAGTCCGGGACTCGGGCGCGCGGCTCTACGTTCTTCGAGTTTC 240
DB 231 CAGGTGTGCGAGCGGAGTCCGGGACTCGGGCGCGCGGCTCTACGTTCTTCGAGTTTC 290
QY 241 AACCG 245
DB 291 AACCG 295

RESULT 9
US-09-328-111-315
Sequence 315, Application US/09328111
Patent No. 6262333
GENERAL INFORMATION:
APPLICANT: Endege, Wilison O.
APPLICANT: Steinmann, Kathleen E.
APPLICANT: Astle, Jon H.
APPLICANT: Burgess, Christopher C.
APPLICANT: Bushnell, Steven E.
APPLICANT: Carroll III, Eddie
APPLICANT: Carino, Theodore J.
APPLICANT: Derti, Adnan
APPLICANT: Ford, Donna M.
APPLICANT: Lewis, Marcia E.
APPLICANT: Monahan, John E.
APPLICANT: Schlegel, Robert
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
FILE REFERENCE: CCD-257 (US)
CURRENT APPLICATION NUMBER: US/09/328,111
CURRENT FILING DATE: 1999-06-08

EARLIER APPLICATION NUMBER: US 60/088,801
EARLIER FILING DATE: 1998-06-10
NUMBER OF SEQ ID NOS: 850
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 315
LENGTH: 238
TYPE: DNA
ORGANISM: Homo sapiens
US-09-328-111-315

Query Match 9.6%; Score 237; DB 3; Length 238;
Best Local Similarity 100.0%; Pred. No. 6.1e-55;

Matches 237; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 176 ACCTGACAGTGTGGCAGCGGAGTCCGGGACTCGGGCCGCGCTTACGTTCTTCCG 235
DB 1 ACCTGACAGTGTGGCAGCGGAGTCCGGGACTCGGGCCGCGCTTACGTTCTTCCG 60
QY 236 AGTTCAACCGGTATCTTCAACTGTGAGAAAGCGCTTCAAGACTCATGACGACACA 295
DB 61 AGTTCAACCGGTATCTTCAACTGTGAGAAAGCGCTTCAAGACTCATGACGACACA 120
QY 296 AGTTAAGTGTGCTGCGCTGACCAATATTCCTGACAGCAATGACGCTATATGTG 355
DB 121 AGTTAAGTGTGCTGCGCTGACCAATATTCCTGACAGCAATGACGCTATATGTG 180
QY 356 GGGGCTTAAAGTGAATGATTTCTTAAAGAAACCGGCTTCAAGTGTGAC 412
DB 181 GGGGCTTAAAGTGAATGATTTCTTAAAGAAACCGGCTTCAAGTGTGAC 237

RESULT 10
US-09-564-805-27
Sequence 27, Application US/09564805

PATENT NO. 6333403
GENERAL INFORMATION:
APPLICANT: Tavitigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 27
LENGTH: 655
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)..(228)
OTHER INFORMATION: exon 24
NAME/KEY: polyA_signal
LOCATION: (636)..(641)
US-09-564-805-27

Query Match 9.2%; Score 228; DB 4; Length 655;
Best Local Similarity 100.0%; Pred. No. 3.3e-53;

Matches 228; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2284 GCTGCTTGGAGACTTTCCAAATGCGCAAGCTGATTCCTCCCACTGAAAGCCTGTTT 2313
DB 1 GCTGCTTGGAGACTTTCCAAATGCGCAAGCTGATTCCTCCCACTGAAAGCCTGTTT 60
QY 2314 GCTGCGACATCGAGAGATGAGAGCGCAGGAGAAACCGGAGCTCGCGAGGTGCGG 2373

DB 61 GCTGCGACATCGAGAGATGAGAGCGCAGGAGAAACCGGAGCTCGCGAGGTGCGG 120
QY 2374 GCGGCTCTCTGTCACAGGAGCTTGGCAGCGGCTTGGAGATGGGAGCCTCAGCAGAAAG 2433
DB 121 GCGGCTCTCTGTCACAGGAGCTTGGCAGCGGCTTGGAGATGGGAGCCTCAGCAGAAAG 180
QY 2434 GCGGCTCTCTGTCACAGGAGCTTGGCAGCGGCTTGGAGATGGGAGCCTCAGCAGAAAG 2481
DB 181 GCGGCTCTCTGTCACAGGAGCTTGGCAGCGGCTTGGAGATGGGAGCCTCAGCAGAAAG 228

RESULT 11
US-09-564-805-26
Sequence 26, Application US/09564805

PATENT NO. 6333403
GENERAL INFORMATION:
APPLICANT: Tavitigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 26
LENGTH: 145
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)..(145)
OTHER INFORMATION: exon 23
US-09-564-805-26

Query Match 5.8%; Score 145; DB 4; Length 145;
Best Local Similarity 100.0%; Pred. No. 1.2e-30;

Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2109 CACAAGCTCCCAACCAATCCAGCGGTGGGAGTGCAGTGAAGCGGAGTTCAATTATGCTGAA 2168
DB 1 CACAAGCTCCCAACCAATCCAGCGGTGGGAGTGCAGTGAAGCGGAGTTCAATTATGCTGAA 60
QY 2169 CCACTTACAGCAGCGCTATGCGCAAGTCCCTCTTCAAGCCCACTTCAAGCGGAAAGT 2228
DB 61 CCACTTACAGCAGCGCTATGCGCAAGTCCCTCTTCAAGCCCACTTCAAGCGGAAAGT 120
QY 2229 GGAAGTTCCTTTGACCAATGAAG 2253
DB 121 GGAAGTTCCTTTGACCAATGAAG 145

RESULT 12
US-09-564-805-16
Sequence 16, Application US/09564805

PATENT NO. 6333403
GENERAL INFORMATION:
APPLICANT: Tavitigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258

US-09-564-805-16
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 16
LENGTH: 139
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)-(139)
OTHER INFORMATION: exon 13
US-09-564-805-16

Query Match
Best Local Similarity 100.0%; Score 139; DB 4; Length 139;
Pred. No. 5,6e-29;
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1080 GTTTGGCCGACACCCAGACCTGTCCTGATGAGAACTGTGCTTCACTTCAACACT 1139
DB 1 GTTTGGCCGACACCCAGACCTGTCCTGATGAGAACTGTGCTTCACTTCAACACT 60

QY 1140 TCCGAGCCACAGATTCACACCCAGCTCAACTCACCACCCGACATCTTCCCTGCT 1199
DB 61 TCCGAGCCACAGATTCACACCCAGCTCAACTCACCACCCGACATCTTCCCTGCT 120

QY 1200 CACCAAGTTTCGGCTGTAAAG 1218
DB 121 CACCAAGTTTCGGCTGTAAAG 139

RESULT 13
US-09-564-805-20
Sequence 20, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 20
LENGTH: 139
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)-(139)
OTHER INFORMATION: exon 17
US-09-564-805-20

Query Match
Best Local Similarity 100.0%; Score 139; DB 4; Length 139;
Pred. No. 5,6e-29;
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1521 CCCGACACGCTCTCTGTACTGAGCTGTGTGAGGACATTTGGGACGCTGTGCCCTCA 1580
DB 1 CCCGACACGCTCTCTGTACTGAGCTGTGTGAGGACATTTGGGACGCTGTGCCCTCA 60

US-09-564-805-24
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 24
LENGTH: 121
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)-(121)
OTHER INFORMATION: exon 21
US-09-564-805-24

Query Match
Best Local Similarity 100.0%; Score 121; DB 4; Length 121;
Pred. No. 4,9e-24;
Matches 121; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1581 TTACGAGACCAAGTGTGAGAGGCTCTGGACCTTGGCTGTGTGTTGTCCACT 1640
DB 61 TTACGAGACCAAGTGTGAGAGGCTCTGGACCTTGGCTGTGTGTTGTCCACT 120

QY 1641 GCACGAGATCACCACAG 1659
DB 121 GCACGAGATCACCACAG 139

RESULT 14
US-09-564-805-10
Sequence 10, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05

QY 1909 TTTTCAACCTGTGTGTGTCGCGCACTGCAGCAATGCTTTGGCTGTGCTGTGCACACC 1968
DB 1 TTTTCAACCTGTGTGTGTCGCGCACTGCAGCAATGCTTTGGCTGTGCTGTGCACACC 60

QY 1969 TCTGGCTGGAAGTGTCTATTCTCGGGGACACCATGCTCGAGGCTGTGTCGGATG 2028
DB 61 TCTGGCTGGAAGTGTCTATTCTCGGGGACACCATGCTCGAGGCTGTGTCGGATG 120

QY 2029 G 2029
DB 121 G 121

RESULT 15
US-09-564-805-10
Sequence 10, Application US/09564805
Patent No. 6333403
GENERAL INFORMATION:
APPLICANT: Tavtigian, Sean V.
APPLICANT: Teng, David H.F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/564,805
CURRENT FILING DATE: 2000-05-05

```

? PRIOR APPLICATION NUMBER: US 60/107,468
? PRIOR FILING DATE: 1998-11-06
? PRIOR APPLICATION NUMBER: 09/434,382
? PRIOR FILING DATE: 1999-11-05
? NUMBER OF SEQ ID NOS: 240
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 10
? LENGTH: 120
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (1)..(120)
? OTHER INFORMATION: exon 7
?
US-09-564-805-10

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	Query Match	4.8%	Score 120;	DB 4;	Length 120;
	Best Local Similarity	100.0%;	Pred. No.	9.1e-24;	
Matches	120; Conservative	0;	Mismatches	0;	Gaps 0;
Oy	560 GTGAACAGAGGAGGGAAAGCACCAACCATGGCAGAGTCCAGAAAGGCCTTCACAGACGC	619			
Dδ	1 GTGAACAGAGGAGGGAAAGCACCAACCATGGCAGAGTCCAGAAAGGCCTTCACAGACGC	60			
Oγ	620 TCAgTCCAGAgCGATCTTCAGAgtCCAgTGCGAAtGAAttAgGCCAcCTTTCCAcatG	679			
Dβ	61 TCAGTCCAGAGCGATCTTCAGACTCCAGGTGCGAAtGAAttAgGCCAACCTTTCCAcatG	120			

Search completed: January 13, 2004, 23:23:17
Job time : 161.101 secs

Db 1 ATGTGGGCGCTTTTGTCTGCTGCTGCGGTCCGCGGCGCGGACGCAACATGTGCAAGGAGCGC 60
QY ACCATATCGAGGAGACCCGCGCGCGAGGCGCGCGCAAGAGACCCGCTGCGGACACTG 120
Db 61 ACCATATCGAGGAGACCCGCGCGCGAGGCGCGCGCAAGAGACCCGCTGCGGACACTG 120
QY 121 CGCAGCGGAGAGAGCGCGGACCGTCCGGGAGTCTCCCGCGGCGCAACACCGTGTACTG 180
Db 121 CGCAGCGGAGAGAGCGCGGACCGTCCGGGAGTCTCCCGCGGCGCAACACCGTGTACTG 180
QY 181 CAGGTGTGTGAGAGGGGTAGCCGGGAGTCTCGGCGCGCGGCTCTAGTCTTTCTCGAGTTC 240
Db 181 CAGGTGTGTGAGAGGGGTAGCCGGGAGTCTCGGCGCGCGGCTCTAGTCTTTCTCGAGTTC 240
QY 241 AACCGGATATCTTCAACTGTGAGAGAGCGCTTCAGAGACTCATGCAAGAGACAAAGTTA 300
Db 241 AACCGGATATCTTCAACTGTGAGAGAGCGCTTCAGAGACTCATGCAAGAGACAAAGTTA 300
QY 301 AAGGTGTGCTGCGCTGAGCAACATATTCCTGAACAGATGCACTGCTTAATGTGGGGGC 360
Db 301 AAGGTGTGCTGCGCTGAGCAACATATTCCTGAACAGATGCACTGCTTAATGTGGGGGC 360
QY 361 TTAAGTGAATGATTTCTTAATTAAGAGAACCGGGCTTCGAAAGTGTACTTTCTGGA 420
Db 361 TTAAGTGAATGATTTCTTAATTAAGAGAACCGGGCTTCGAAAGTGTACTTTCTGGA 420
QY 421 CCTCCACAACCTGGAAGAAATACCTCGAAGCAATCAAAATATTTTGTGCTCATTTGAAGGA 480
Db 421 CCTCCACAACCTGGAAGAAATACCTCGAAGCAATCAAAATATTTTGTGCTCATTTGAAGGA 480
QY 481 ATAGAACTGTGCTGTGCGGCGCCCACTCTGCGCCAGAAATACGAGATGAAACCATGACATT 540
Db 481 ATAGAACTGTGCTGTGCGGCGCCCACTCTGCGCCAGAAATACGAGATGAAACCATGACATT 540
QY 541 TACCAAGATCCCAATACAGATGAAACAGAGAGGGGAAAGCAACCACTGGCAAGTCA 600
Db 541 TACCAAGATCCCAATACAGATGAAACAGAGAGGGGAAAGCAACCACTGGCAAGTCA 600
QY 601 GAAAGGCTCTCAGAGGCTCAGTCCAGAGGATTTTCAAGCTCCGAGTCCGAATGAAT 660
Db 601 GAAAGGCTCTCAGAGGCTCAGTCCAGAGGATTTTCAAGCTCCGAGTCCGAATGAAT 660
QY 661 GAGCCACACTTCCACATGTGTAGCCAGAGAGAGGGGTCAAGGACTCTTCCCTGCTC 720
Db 661 GAGCCACACTTCCACATGTGTAGCCAGAGAGAGGGGTCAAGGACTCTTCCCTGCTC 720
QY 721 GTAGCTTCAATCTGTAGTCACTTAAAGAGAGAACTTCTGTGTCTCAAGCAAG 780
Db 721 GTAGCTTCAATCTGTAGTCACTTAAAGAGAGAACTTCTGTGTCTCAAGCAAG 780
QY 781 GAGATGGGCTCCCAAGTGGGAGAGCTGCACTGCTCCCATCTGCTGTCAAGGAC 840
Db 781 GAGATGGGCTCCCAAGTGGGAGAGCTGCACTGCTCCCATCTGCTGTCAAGGAC 840
QY 841 GGGAGAAACATCACTCATGAGAGAGAGATTTTGGCTGAGAGAGCTGTACTCTTCA 900
Db 841 GGGAGAAACATCACTCATGAGAGAGAGATTTTGGCTGAGAGAGCTGTACTCTTCA 900
QY 901 GATCCTGTGTGCTGCTTTTGTGTGTGTAGATGTCCAGATGAAGCTTCAATCAACCCATC 960
Db 901 GATCCTGTGTGCTGCTTTTGTGTGTGTAGATGTCCAGATGAAGCTTCAATCAACCCATC 960
QY 961 TGTGAGATGCACTTTCAGAGGTACAGAGAAAGGAGATGCCCGGTGGCTTGTG 1020
Db 961 TGTGAGATGCACTTTCAGAGGTACAGAGAAAGGAGATGCCCGGTGGCTTGTG 1020
QY 1021 GTTCAATAGGCGCCAGCATCTGTGCTTGTGAGCAGCAGATGACAGCATGTGATGAGAG 1080
Db 1021 GTTCAATAGGCGCCAGCATCTGTGCTTGTGAGCAGCAGATGACAGCATGTGATGAGAG 1080
QY 1081 TTTGGGCTGTGACACCCAGACACTTGTGCTGTGAATGAGAACTGTGCTCAGTTCAACACTT 1140
Db 1081 TTTGGGCTGTGACACCCAGACACTTGTGCTGTGAATGAGAACTGTGCTCAGTTCAACACTT 1140

QY 1141 CGCAGCCACAAGATTTCAAAACCAAGCTCAACCTCATCCACCCTGACATCTTCCCTGCTC 1200
Db 1141 CGCAGCCACAAGATTTCAAAACCAAGCTCAACCTCATCCACCCTGACATCTTCCCTGCTC 1200
QY 1201 ACCGATTTCCGCTGTAAAGAGAGAGGCCCACTCAGTGTGTCCCATGTGTTCAAGGGTGA 1260
Db 1201 ACCGATTTCCGCTGTAAAGAGAGAGGCCCACTCAGTGTGTCCCATGTGTTCAAGGGTGA 1260
QY 1261 TGACTCTCAAGTACAGTCCGCTCCGAGAGGAGTGGCAGAGAGATGCAATTAAT 1320
Db 1261 TGACTCTCAAGTACAGTCCGCTCCGAGAGGAGTGGCAGAGAGATGCAATTAAT 1320
QY 1321 TGCAATCCTGAGGAATTCATAGTTGAGGCGCTGCAAGCTTCCAACTTCAGACAGCGTG 1380
Db 1321 TGCAATCCTGAGGAATTCATAGTTGAGGCGCTGCAAGCTTCCAACTTCAGACAGCGTG 1380
QY 1381 CAGAGATACAGAGAGATGTGCGAGAGACGCGCCAGCGCCAGCAGAGAAAGATCAATAC 1440
Db 1381 CAGAGATACAGAGAGATGTGCGAGAGACGCGCCAGCGCCAGCAGAGAAAGATCAATAC 1440
QY 1441 CCAGAAATCAATCTTCTTGGAAACAGGGTGTGCCATCCCGATGAAGATTGCAATGTGAGT 1500
Db 1441 CCAGAAATCAATCTTCTTGGAAACAGGGTGTGCCATCCCGATGAAGATTGCAATGTGAGT 1500
QY 1501 GCCACACTGTGCAATTAAGCCCGGACACGCTCTGCTACTGACTGTGTGAGGGGACA 1560
Db 1501 GCCACACTGTGCAATTAAGCCCGGACACGCTCTGCTACTGACTGTGTGAGGGGACA 1560
QY 1561 TTTGGGAGCTGTGCGCTCATTAAGAGAACAGGTGAGCAGGGTCTTGGGGACCTTGCT 1620
Db 1561 TTTGGGAGCTGTGCGCTCATTAAGAGAACAGGTGAGCAGGGTCTTGGGGACCTTGCT 1620
QY 1621 GCTGTGTTGTGTCCACCTGACAGAGATCAACACAGGGCTTGGCAAGTACTTGTCTG 1680
Db 1621 GCTGTGTTGTGTGTCCACCTGACAGAGATCAACACAGGGCTTGGCAAGTACTTGTCTG 1680
QY 1681 CAGAGAGAGCGCGCTTGGCACTTTTGGGAAAGCGGCTTCAACCTTGTGTGTGTGCTC 1740
Db 1681 CAGAGAGAGCGCGCTTGGCACTTTTGGGAAAGCGGCTTCAACCTTGTGTGTGTGCTC 1740
QY 1741 CCCAACCAAGCTCAAAAGCTGTGCTCCAGAGTACACAAACCAAGTCCAGAGTCTTGAC 1800
Db 1741 CCCAACCAAGCTCAAAAGCTGTGCTCCAGAGTACACAAACCAAGTCCAGAGTCTTGAC 1800
QY 1801 CACATCAATATGATTCCTGCGCAATGCTTTCAGAGAGGGCTGTGATCTCCAGTCTGCA 1860
Db 1801 CACATCAATATGATTCCTGCGCAATGCTTTCAGAGAGGGCTGTGATCTCCAGTCTGCA 1860
QY 1861 GTGAGAAATTTGATCAGTTGCTGTGCGAATGTGTGAATTTGAAAGATTCAAGCTGT 1920
Db 1861 GTGAGAAATTTGATCAGTTGCTGTGCGAATGTGTGAATTTGAAAGATTCAAGCTGT 1920
QY 1921 CTGTGTGGGCACTGCAAGCATGCGTTTGTGTGTGTGCGTGTGTGCACTCTGCGTGAAA 1980
Db 1921 CTGTGTGGGCACTGCAAGCATGCGTTTGTGTGTGTGCGTGTGTGCACTCTGCGTGAAA 1980
QY 1981 GTGTGTAAATTCGCGGGGACACATGCGCGTGGAGGCTGTGCTCGGATGGGAAAGATGCC 2040
Db 1981 GTGTGTAAATTCGCGGGGACACATGCGCGTGGAGGCTGTGCTCGGATGGGAAAGATGCC 2040
QY 2041 ACCCTCTGATACATGAAGCCACCTGGAAGATGTTTGAAGAGAGCAGTGAAGAG 2100
Db 2041 ACCCTCTGATACATGAAGCCACCTGGAAGATGTTTGAAGAGAGCAGTGAAGAG 2100
QY 2101 ACACACAGCACAGTCCCAAGCCATCAGCGTGGGATGCGGATGAACGCGGAGTTCAAT 2160
Db 2101 ACACACAGCACAGTCCCAAGCCATCAGCGTGGGATGCGGATGAACGCGGAGTTCAAT 2160
QY 2161 ATGTGTAAACCACTTCAAGCGGCTATGSCAAGGTCCCGCTTCAAGCCCACTTCAAGC 2220
Db 2161 ATGTGTAAACCACTTCAAGCGGCTATGSCAAGGTCCCGCTTCAAGCCCACTTCAAGC 2220

QY	2221	GAGAAAGTGGGAGTTGCTTTGACCAATGAAAGTCTGCTTTGGAGACTTTCCAACATG	2280
Db	2221	GAGAAAGTGGGAGTTGCTTTGACCAATGAAAGTCTGCTTTGGAGACTTTCCAACATG	2280
QY	2281	CCCAAGCTGATCCCCCACTGAAAACCTCTGTTTGCTGGCGCATGAGAGATGAGAG	2340
Db	2281	CCCAAGCTGATCCCCCACTGAAAACCTCTGTTTGCTGGCGCATGAGAGATGAGAG	2340
QY	2341	CGCAGGGAGAAACGGGAGCTGCGCAGGTGCGGGCGGCCCTCTGTCCAGGGAGCTGGCA	2400
Db	2341	CGCAGGGAGAAACGGGAGCTGCGCAGGTGCGGGCGGCCCTCTGTCCAGGGAGCTGGCA	2400
QY	2401	GGCGGCTTGAGGATGCGGAGCCTTCAGCAGACGCGGCCCAACAAGAGACCCAAGGCC	2460
Db	2401	GGCGGCTTGAGGATGCGGAGCCTTCAGCAGACGCGGCCCAACAAGAGACCCAAGGCC	2460
QY	2461	AAGAAAGGTCAAGAGCCCACTGA	2481
Db	2461	AAGAAAGGTCAAGAGCCCACTGA	2481

RESULT 2

```

US-09-988-687-1
: Sequence 1, Application US/09988687
: Publication No. US20030045704A1
: GENERAL INFORMATION:
: APPLICANT: Tavtligian, Sean V.
: APPLICANT: Teng, David H.F.
: APPLICANT: Simard, Jacques
: APPLICANT: Rommens, Johanna M.
: APPLICANT: Myriad Genetics, Inc.
: TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
: TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
: FILE REFERENCE: 2318-258
: CURRENT APPLICATION NUMBER: US/09/988,687
: CURRENT FILING DATE: 2001-11-20
: PRIOR APPLICATION NUMBER: 09/564,805
: PRIOR FILING DATE: 2000-05-05
: PRIOR APPLICATION NUMBER: US 60/107,468
: PRIOR FILING DATE: 1998-11-06
: PRIOR APPLICATION NUMBER: 09/434,382 ✓
: PRIOR FILING DATE: 1999-11-05
: NUMBER OF SEQ ID NOS: 240
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 1
: LENGTH: 2481
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: (1)..(2478)
: US-09-988-687-1

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Query Match	100.0%;	Score 2481;	DB 11;	Length 2481;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2481;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY	1	ATGTGGGGGGCTTTGGTCTGCTCTGTGGGGTCCCGGGCCGAGACCAACATCTCCAGGGAGCG	60
Db	1	ATGTGGGGGGCTTTGGTCTGCTCTGTGGGGTCCCGGGCCGAGACCAACATCTCCAGGGAGCGC	60
QY	61	ACCATATTCGACAGGCACCCGCCCGCCGAGCGGCCCGCAAGAGACCCGCTGCGGACCTTG	120
Db	61	ACCATATTCGACAGGCACCCGCCCGCCGAGCGGCCCGCAAGAGACCCGCTGCGGACCTTG	120
QY	121	CGCACGCGAGAGAGAGCGCGGACCGTCCGGGGGTGCTCCGGCGGCGCCAAACAACGTGTACTTG	180
Db	121	CGCACGCGAGAGAGAGCGCGGACCGTCCGGGGGTGCTCCGGCGGCGCCAAACAACGTGTACTTG	180
QY	181	CAGGTGGTGGGACGCGGGTAAAGCCGGGACCTCGGGCGCGCGGCTCTAGTCTTCGCGAGTTTC	240
Db	181	CAGGTGGTGGGACGCGGGTAAAGCCGGGACCTCGGGCGCGCGGCTCTAGTCTTCGCGAGTTTC	240

QY	241	AACCGGATCTCTTCAACTGCTGGAGAAAGGGCTTCAGAGACTCATGACGAGACAAATTGA	300
Dp	241	AACCGGATCTCTTCAACTGCTGGAGAAAGGGCTTCAGAGACTCATGACGAGACAAATTGA	300
QY	301	AAGGTTGCTGCGCTGGAACAATATTCCTGAACAAGATGCACTGTCTAATGTGGGGGC	360
Dp	301	AAGGTTGCTGCGCTGGAACAATATTCCTGAACAAGATGCACTGTCTAATGTGGGGGC	360
QY	361	TTAAGTGAATGATTTCTTACTTTAAAGAAACCGGGCTTCCAAAGTGTGATCTTTCTGGA	420
Dp	361	TTAAGTGAATGATTTCTTACTTTAAAGAAACCGGGCTTCCAAAGTGTGATCTTTCTGGA	420
QY	421	CCCTCAACACGAGAAAATACTCTGGAAGCAATCAAAATATTTTCTGTGCTGTAAGAAAGA	480
Dp	421	CCCTCAACACGAGAAAATACTCTGGAAGCAATCAAAATATTTTCTGTGCTGTAAGAAAGA	480
QY	481	ATGAACTGCTGTGCGGCCCACTCTGCCAGAAATACGAGATGAAACCATGACATT	540
Dp	481	ATGAACTGCTGTGCGGCCCACTCTGCCAGAAATACGAGATGAAACCATGACATT	540
QY	541	TACCAGATCCCCATACACAGTGAACAGAGAGGGGAAAGCAACCAACATGGCAGATGCCA	600
Dp	541	TACCAGATCCCCATACACAGTGAACAGAGAGGGGAAAGCAACCAACATGGCAGATGCCA	600
QY	601	GAAGGGCTCTGACGAGGCTCAGGCCAGACGCAATCTTCACTCCGATGGGAATGAAAT	660
Dp	601	GAAGGGCTCTGACGAGGCTCAGGCCAGACGCAATCTTCACTCCGATGGGAATGAAAT	660
QY	661	GAGCCACACCTTCCACATGATGTGTAGGCCAAGAAAGAGGGGTCAAGGGACTCTCCCTGTC	720
Dp	661	GAGCCACACCTTCCACATGATGTGTAGGCCAAGAAAGAGGGGTCAAGGGACTCTCCCTGTC	720
QY	721	GTAGCTTTCATCTGTAAAGCTTCACTTAAAGAGAAACTTCTTGGTGTCAAAAGCAAG	780
Dp	721	GTAGCTTTCATCTGTAAAGCTTCACTTAAAGAGAAACTTCTTGGTGTCAAAAGCAAG	780
QY	781	GAGATGGGGCTCCCAAGTTGGGAACAGCTGCCATGCGTCCCATATTCGTCGTGAAGGAC	840
Dp	781	GAGATGGGGCTCCCAAGTTGGGAACAGCTGCCATGCGTCCCATATTCGTCGTGAAGGAC	840
QY	841	GGGAAAAGCATCACTCATGAAAGAAAGAGATTTTGGCTGAAGAGCTGTGACTCTTCCA	900
Dp	841	GGGAAAAGCATCACTCATGAAAGAAAGAGATTTTGGCTGAAGAGCTGTGACTCTTCCA	900
QY	901	GATCCTGTGTGCTTTTGTGTGTGTGAATGTCTCAGATGAAGACTTCATTCACCATC	960
Dp	901	GATCCTGTGTGCTTTTGTGTGTGTGAATGTCTCAGATGAAGACTTCATTCACCATC	960
QY	961	TGTGAAGATGCACCTTTCAAGAGGTACCAAGAAAGGACAGATGCCCTGTGGCTTGTGTG	1020
Dp	961	TGTGAAGATGCACCTTTCAAGAGGTACCAAGAAAGGACAGATGCCCTGTGGCTTGTGTG	1020
QY	1021	GTTTCACATGGCCCCAGACATCTGTCTGTGTGAACAGAGGTATCCACAGAGTGGATGGAAGG	1080
Dp	1021	GTTTCACATGGCCCCAGACATCTGTCTGTGTGAACAGAGGTATCCACAGAGTGGATGGAAGG	1080
QY	1081	TTTGGGCTGTGACACCCAGCACTTGTCTGTGAATGAAACTGTGCTCAGTTTCAACAATT	1140
Dp	1081	TTTGGGCTGTGACACCCAGCACTTGTCTGTGAATGAAACTGTGCTCAGTTTCAACAATT	1140
QY	1141	CGCAGCCACAAGATTTCAAACCCAGCTCAACCTCATCCACCCGGACATCTTCCCCTGTGTC	1200
Dp	1141	CGCAGCCACAAGATTTCAAACCCAGCTCAACCTCATCCACCCGGACATCTTCCCCTGTGTC	1200
QY	1201	ACCAATTTCCGCTGTAGAAAGAGAGGGCCCCACTCAGTGTGGCCATGAGTTCAAGGTTGA	1260
Dp	1201	ACCAATTTCCGCTGTAGAAAGAGAGGGCCCCACTCAGTGTGGCCATGAGTTCAAGGTTGA	1260
QY	1261	TGCTCTCTCAAGTACCACTCCGTCCAGAGAGGAGTGGCAGAGGGAATGCCATTATTAAT	1320
Dp	1261	TGCTCTCTCAAGTACCACTCCGTCCAGAGAGGAGTGGCAGAGGGAATGCCATTATTAAT	1320
QY	1321	TGCATCTCTGAAGATTCATATGTTGAAGCGCTGACGCTTCCCAATCTTCACAGACAGGTG	1380

Db	1321	TGCATCTCTGAGGAATTCATAGTTGAGGCGCTGCAGCTTCCCACTTCAGCAAGCGTG	1380
Qy	1381	CAGAGATACAGAGAGATGTCGCGAGACGGCCCAAGCCCAAGACAGAGAAAGATCAATAC	1440
Db	1381	CAGAGATACAGAGAGATGTCGCGAGACGGCCCAAGCCCAAGACAGAGAAAGATCAATAC	1440
Qy	1441	CCAGAAATCATCTTCTCTTGGAACAGGGCTCCCATCCCGATGGAAGATTCCGAAATGTCAGT	1500
Db	1441	CCAGAAATCATCTTCTCTTGGAACAGGGCTCCCATCCCGATGGAAGATTCCGAAATGTCAGT	1500
Qy	1501	GCCACACTTGTCAACATAAGCCCGGACACGCTCTCTGCTACTGGACTGTGTGAGGGGACA	1560
Db	1501	GCCACACTTGTCAACATAAGCCCGGACACGCTCTCTGCTACTGGACTGTGTGAGGGGACA	1560
Qy	1561	TTTGGGACGCTGTGCGCTCATTTACGGAGACCAAGGTGACAGGGTCTTGGGGACCTTGCGT	1620
Db	1561	TTTGGGACGCTGTGCGCTCATTTACGGAGACCAAGGTGACAGGGTCTTGGGGACCTTGCGT	1620
Qy	1621	GCTGTGTTTGTGTCCCACTCTGACGGCAATACCAACAGGGCTTGCCCAAGTATCTTGTGTG	1680
Db	1621	GCTGTGTTTGTGTCCCACTCTGACGGCAATACCAACAGGGCTTGCCCAAGTATCTTGTGTG	1680
Qy	1681	CAGAGAGAACGCGCCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTTGCTGTGTGTGCTC	1740
Db	1681	CAGAGAGAACGCGCCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTTGCTGTGTGTGCTC	1740
Qy	1741	CCCAACCAAGCTCAAGCCTGCGCTCCAGACGTAACAACAAGTGCAGAGAGTCTGTAC	1800
Db	1741	CCCAACCAAGCTCAAGCCTGCGCTCCAGACGTAACAACAAGTGCAGAGAGTCTGTAC	1800
Qy	1801	CACATCAGTATGATTCCTGCGCCAAATGCTCTTACAGAAAGGGGCTGAGATCTCCAGTCTGCA	1860
Db	1801	CACATCAGTATGATTCCTGCGCCAAATGCTCTTACAGAAAGGGGCTGAGATCTCCAGTCTGCA	1860
Qy	1861	GTCGAAAGATTGATCAGTTGCTGCTGTGCGAACATGTGATTTTGGAAAGATTTCAGACCTGT	1920
Db	1861	GTCGAAAGATTGATCAGTTGCTGCTGTGCGAACATGTGATTTTGGAAAGATTTCAGACCTGT	1920
Qy	1921	CTGTGTGCGGACCTGCAGACATGCGTTTGGCTGTGCGCTGTGACACACTCTGCGTGGAA	1980
Db	1921	CTGTGTGCGGACCTGCAGACATGCGTTTGGCTGTGCGCTGTGACACACTCTGCGTGGAA	1980
Qy	1981	GTCGTCTATTCGCGGAGACCATGCTCCCTGACAGGCTCTGTGCTCCGATGGGAAAGATGCC	2040
Db	1981	GTCGTCTATTCGCGGAGACCATGCTCCCTGACAGGCTCTGTGCTCCGATGGGAAAGATGCC	2040
Qy	2041	ACCCCTCCGATACATGAAGCCACCTCGAAAGATGTTTGGAAAGAGAGACGTGGAAAG	2100
Db	2041	ACCCCTCCGATACATGAAGCCACCTCGAAAGATGTTTGGAAAGAGAGACGTGGAAAG	2100
Qy	2101	ACACACAGACACACGCTCCCAAGCCATCAGCGTGGGATGCGGATGACGCGAGTTCATT	2160
Db	2101	ACACACAGACACACGCTCCCAAGCCATCAGCGTGGGATGCGGATGACGCGGAGTTCATT	2160
Qy	2161	ATGCTGAACCACTTCAAGCAGCGCTATGCCAAGGTCCTCCCTTCAGGCCCAACTTCAGC	2220
Db	2161	ATGCTGAACCACTTCAAGCAGCGCTATGCCAAGGTCCTCCCTTCAGGCCCAACTTCAGC	2220
Qy	2221	GAGAAAGTGGGATGTCCTTTGACCAACATGAAGCTCTGCTTTGGGACTTTCCAACAATG	2280
Db	2221	GAGAAAGTGGGATGTCCTTTGACCAACATGAAGCTCTGCTTTGGGACTTTCCAACAATG	2280
Qy	2281	CCCAAGCTGATTCCTCCCACTGAAACCTCTGTTTCTGTGCGCATATCGAGAGATGGAGAG	2340
Db	2281	CCCAAGCTGATTCCTCCCACTGAAACCTCTGTTTCTGTGCGCATATCGAGAGATGGAGAG	2340
Qy	2341	CGCAGAGAGAACGGGAGCTGTGCGAGGTCGGGCGGCGCTTCTGTTCAGGAGCTGTGCA	2400
Db	2341	CGCAGAGAGAGAACGGGAGCTGTGCGAGGTCGGGCGGCGCTTCTGTTCAGGAGCTGTGCA	2400
Qy	2401	GCGGCGCTGTGAGATGGGGAGCTTCAAGCAAGACGGGCGCCACACAGAGAGATCAAGGCC	2460
Db	2401	GCGGCGCTGTGAGATGGGGAGCTTCAAGCAAGACGGGCGCCACACAGAGAGATCAAGGCC	2460

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Db      2401 GGCAGCCCTGGAGAGATGGGGAACCTTCAGACAGAAGCGGGCCCAACAAGAGAACCCACAGGCC 2468
QY      2461 AAGAAGTCAAGAGCCCACTGA 2481
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Db      2461 AAGAAGTCAAGAGCCCACTGA 2481

RESULT 3
US-09-988-686-1
; Sequence 1, Application US/09988686
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavligian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,686
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2481
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-988-686-1

Query Match          100.0%; Score 2481; DB 11; Length 2481;
Best Local Similarity 100.0%; Pired. No. 0;
Matches 2481; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ATGTGGGGCTTTCTCTGCTCTGCGTGCGGCGCGGCGCGGACACATGTGCGAGGGAGCG 60
DB      1 ATGTGGGGCTTTGTCTGCTCTGCTGCGTGCGGCGCGGCGCGGACCATATGTGCGAGGAGCG 60

QY      61 ACCATATCGCAGGAGCACCCGCCCGCGCGAGCGGCGCGCAAGAGCACCGCTGCGGACCTG 120
DB      61 ACCATATCGCAGGAGCACCCGCCCGCGCGAGCGGCGCGCAAGAGCACCGCTGCGGACCTG 120

QY      121 CGCAGCGCAGAGAAAGCGCGGACCGTGCGGGTGCTTCGCGGCGCCCAACACCGTGTACTTG 180
DB      121 CGCAGCGCAGAGAAAGCGCGGACCGTGCGGGTGCTTCGCGGCGCCCAACACCGTGTACTTG 180

QY      181 CAGGTGTGTGCGAGCGGGGTGAGCGCGGAGCTCGGGGCGCCCGGCTCTACGTCTTTCCGAGTTC 240
DB      181 CAGGTGTGTGCGAGCGGGGTGAGCGCGGAGCTCGGGGCGCCCGGCTCTACGTCTTTCCGAGTTC 240

QY      241 AACCGGTATCTCTTCCAACCTGTGAGAAAGCGGTTTCAGAGACTCATGACAGAGACACAACTTA 300
DB      241 AACCGGTATCTCTTCCAACCTGTGAGAAAGCGGTTTCAGAGACTCATGACAGAGACACAACTTA 300

QY      301 AAGGTGTCTCGCTCGACCAACATA TTCCTGACACGAATGCACTGGTCTAATGTGGGGGC 360
DB      301 AAGGTGTCTCGCTCGACCAACATA TTCCTGACACGAATGCACTGGTCTAATGTGGGGGC 360

QY      361 TTTAAGTGAATGATTCTTACTTTAAAGAAAACCGGGCTTCCAAAGTGTACTTTTCGGA 420
DB      361 TTTAAGTGAATGATTCTTACTTTAAAGAAAACCGGGCTTCCAAAGTGTACTTTTCGGA 420

QY      421 CCTCCACAACCTGGA AAAATACCTGGAAGCATCAAATATTTCTGGTGCATTTGAAGA GA 480
DB      421 CCTCCACAACCTGGA AAAATACCTGGAAGCATCAAATATTTCTGGTGCATTTGAAGA GA 480

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Db 421 CCTCCAACTGGAAAAATACCTCGAAGCATTAATAATTTTCTGTCATTTGAAAGG 480
 QY 481 ATAGAACTGGCTGTGGGCCCCACTCTGCCCGAGAAATAGAGAGATGAACCATGACAGTT 540
 Db 481 ATAGAACTGGCTGTGGGCCCCACTCTGCCCGAGAAATAGAGAGATGAACCATGACAGTT 540
 QY 541 TACAGATCCCATACAGTGAACAGAGAGAGGAAAGCAACCAATGAGAGATCCA 600
 Db 541 TACAGATCCCATACAGTGAACAGAGAGAGGAAAGCAACCAATGAGAGATCCA 600
 QY 601 GAAAGGCTCTGAGGAGGCTGAGTCAAGGCGATCTTTCAGACTCCGAGTGAATGAAT 660
 Db 601 GAAAGGCTCTGAGGAGGCTGAGTCAAGGCGATCTTTCAGACTCCGAGTGAATGAAT 660
 QY 661 GAGCCACACCTTCACATGGTGTAGCCAGAGAGAGGAGTCAAGGACTCTTCTGTC 720
 Db 661 GAGCCACACCTTCACATGGTGTAGCCAGAGAGAGGAGTCAAGGACTCTTCTGTC 720
 QY 721 GTAGCTTTCATCTGTAAGCTTCACTTAAAGAGAGAACTTCTGTGCTCAAGGCAAG 780
 Db 721 GTAGCTTTCATCTGTAAGCTTCACTTAAAGAGAGAACTTCTGTGCTCAAGGCAAG 780
 QY 781 GAGATGGGCTCCCACTGGAGAGAGTGCATGCTCCCATCTTGTCTGTCAAGGAC 840
 Db 781 GAGATGGGCTCCCACTGGAGAGAGTGCATGCTCCCATCTTGTCTGTCAAGGAC 840
 QY 841 GGGAAAGGATCATCTGATGAAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCA 900
 Db 841 GGGAAAGGATCATCTGATGAAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCA 900
 QY 901 GATCTGTGCTGCTTTTGTGTGTGAATGTCAGATGAAGCTTCATTCACACCATC 960
 Db 901 GATCTGTGCTGCTTTTGTGTGTGAATGTCAGATGAAGCTTCATTCACACCATC 960
 QY 961 TGTGAAGATGCCACTTTTCAAGAGATCAAGAGAAAGGCAATGCTCCGAGTGTG 1020
 Db 961 TGTGAAGATGCCACTTTTCAAGAGATCAAGAGAAAGGCAATGCTCCGAGTGTG 1020
 QY 1021 GTTCAATGAGGCCCCAGCATCTGTGCTTGTGAGCAGAGAGTACCAGAGTGGATGAGAG 1080
 Db 1021 GTTCAATGAGGCCCCAGCATCTGTGCTTGTGAGCAGAGAGTACCAGAGTGGATGAGAG 1080
 QY 1081 TTTGGGCTGACACCCAGCATTTGTCTCGAATGAAGATGTCAGTTTCAACCTT 1140
 Db 1081 TTTGGGCTGACACCCAGCATTTGTCTCGAATGAAGATGTCAGTTTCAACCTT 1140
 QY 1141 CGCAGCCACAGATTAACCCAGCTCACTCATCCACCCGAGCATCTTCCCTGCTC 1200
 Db 1141 CGCAGCCACAGATTAACCCAGCTCACTCATCCACCCGAGCATCTTCCCTGCTC 1200
 QY 1201 ACCAGTTTCCGCTGAAGAGAGGAGGCCCCACCTGAGTGTGCCATGTTTCAAGGAG 1260
 Db 1201 ACCAGTTTCCGCTGAAGAGAGGAGGCCCCACCTGAGTGTGCCATGTTTCAAGGAG 1260
 QY 1261 TGGCTCTCAAGTACAGCTCCGCTCCAGAGAGGAGTGGCAGAGGATGCTATTACT 1320
 Db 1261 TGGCTCTCAAGTACAGCTCCGCTCCAGAGAGGAGTGGCAGAGGATGCTATTACT 1320
 QY 1321 TGCATCTCGAAGATTCATAGTTGAGGCGCTGACGTTCCAACTTCCAGCAGAGG 1380
 Db 1321 TGCATCTCGAAGATTCATAGTTGAGGCGCTGACGTTCCAACTTCCAGCAGAGG 1380
 QY 1381 CAGAGTACAGAGAGTGGCAGAGCGGCGCAGCCCAAGAGAGAGAGAGAGAGTCA 1440
 Db 1381 CAGAGTACAGAGAGTGGCAGAGCGGCGCAGCCCAAGAGAGAGAGAGAGTCA 1440
 QY 1441 CCAGAAATCATCTTCTTGAAGAGAGGCTGCGATCCGATGAAGATTCGAATGTCA 1500
 Db 1441 CCAGAAATCATCTTCTTGAAGAGAGGCTGCGATCCGATGAAGATTCGAATGTCA 1500
 QY 1501 GCCACACTGTCAACATAGCCCGACAGCTGTCTGTCTAGTGAAGTGTGAGGAG 1560
 Db 1501 GCCACACTGTCAACATAGCCCGACAGCTGTCTGTCTAGTGAAGTGTGAGGAG 1560

QY 1561 TTTGGGAGCTGTGGCTGCTCATTAACGAGACAGGTGAGCAGGCTCTGGGCACTG 1620
 Db 1561 TTTGGGAGCTGTGGCTGCTCATTAACGAGACAGGTGAGCAGGCTCTGGGCACTG 1620
 QY 1621 GCTGTGTTGTGTCCCACTGACAGGATCAACACAGGAGCTTGGCAAGTATCTT 1680
 Db 1621 GCTGTGTTGTGTCCCACTGACAGGATCAACACAGGAGCTTGGCAAGTATCTT 1680
 QY 1681 CAGAGAGAGCGGCTTGGCATCTTGGAGAAAGCGCTTCACTTGTGCTGAGTGTG 1740
 Db 1681 CAGAGAGAGCGGCTTGGCATCTTGGAGAAAGCGCTTCACTTGTGCTGAGTGTG 1740
 QY 1741 CCCAACAGCTCAAAAGCTGCTCCAGAGTACCAACACAGTGCAGAGAGTCTG 1800
 Db 1741 CCCAACAGCTCAAAAGCTGCTCCAGAGTACCAACACAGTGCAGAGAGTCTG 1800
 QY 1801 CACATCAGTATGATTTCTGCAATGCTTTCAGAGAGGAGCTGAGATCTTCA 1860
 Db 1801 CACATCAGTATGATTTCTGCAATGCTTTCAGAGAGGAGCTGAGATCTTCA 1860
 QY 1861 GTGGAAGATGATCAGTTGCGCTGTGAGACATGATTTGGAAGAGTTTCA 1920
 Db 1861 GTGGAAGATGATCAGTTGCGCTGTGAGACATGATTTGGAAGAGTTTCA 1920
 QY 1921 CTGTCGCGCACTGCAAGCATGCTTGTGCTGCTGCTGCTGCTGCTGCTG 1980
 Db 1921 CTGTCGCGCACTGCAAGCATGCTTGTGCTGCTGCTGCTGCTGCTGCTG 1980
 QY 1981 GTGTCTATTTCCGAGGACACCATGCTTGCAGAGCTCTGTGCTGCTGCTG 2040
 Db 1981 GTGTCTATTTCCGAGGACACCATGCTTGCAGAGCTCTGTGCTGCTGCTG 2040
 QY 2041 ACCCTCCTATATCAATGAAGCCACCTGGAAGATGTTTGAAGAGAGAGTGA 2100
 Db 2041 ACCCTCCTATATCAATGAAGCCACCTGGAAGATGTTTGAAGAGAGAGTGA 2100
 QY 2101 ACACACAGCACAAGCTCCCAACCATCAGCTGAGGATGCGATGAACCGAGTTC 2160
 Db 2101 ACACACAGCACAAGCTCCCAACCATCAGCTGAGGATGCGATGAACCGAGTTC 2160
 QY 2161 ATGCTGAACCATCTTACGCAAGGCTATGCTCAAGGCTCCCTCTTCAAGCT 2220
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 QY 2221 GAGAAAGTGGAGTTCCTTTTGAACCATGAAGCTTGTGTTGAGAGATCTTCA 2280
 Db 2221 GAGAAAGTGGAGTTCCTTTTGAACCATGAAGCTTGTGTTGAGAGATCTTCA 2280
 QY 2281 CCCAAGCTGATTTCCCTCACTGAAGGCTGTTTGTGCTGAGCATGAGAGATG 2340
 Db 2281 CCCAAGCTGATTTCCCTCACTGAAGGCTGTTTGTGCTGAGCATGAGAGATG 2340
 QY 2341 CGCAGGAGAGAGCGGAGCTGCGCAGTGCAGGCGGCGCTCTCTGTCAAGAG 2400
 Db 2341 CGCAGGAGAGAGCGGAGCTGCGCAGTGCAGGCGGCGCTCTCTGTCAAGAG 2400
 QY 2401 GCGGCTTGAAGATGAGGAGCTTCAAGCAGAGAGGAGGAGGAGGAGGAGG 2460
 Db 2401 GCGGCTTGAAGATGAGGAGCTTCAAGCAGAGAGGAGGAGGAGGAGGAGG 2460
 QY 2461 AAGAGGTCAAGGCCAGTGA 2481
 Db 2461 AAGAGGTCAAGGCCAGTGA 2481

RESULT 4
 US-09-988-626-3
 ; Sequence 3, Application US/09988626
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavtigian, Sean V.
 ; APPLICANT: Teng, David H. F.

QY	1741	CCCAACAGCTCCAAGCCTGGCTCCAGACGATACCAACAACAGATCCAGAGAGTCTGAC	1800
Db	1791	CCCAACAGCTCCAAGCCTGGCTCCAGACGATACCAACAACAGATCCAGAGAGTCTGAC	1850
QY	1801	CACATCAGTATGATCTCTGCCMAATGCTTCAGGAAGGGGCTGAGATCTCCAGTCTGCA	1860
Db	1851	CACATCAGTATGATCTCTGCCMAATGCTTCAGGAAGGGGCTGAGATCTCCAGTCTGCA	1910
QY	1861	GTGGAAGAATGATGATCGTTGCGCTGTGGGAACATGTGATTTGGAAGATTTCAACCTGT	1920
Db	1911	GTGGAAGAATGATGATGATCGTTGCGCTGTGGGAACATGTGATTTGGAAGATTTCAACCTGT	1970
QY	1921	CTGGTGGGGCACTGCCAAGCAGTCCGTTGGCTGTGTCGCGCTGGGCAACCTCGCTGGAAA	1980
Db	1971	CTGGTGGGGCACTGCCAAGCAGTCCGTTGGCTGTGTCGCGCTGGGCAACCTCGCTGGAAA	2030
QY	1981	GTGGTCTATTTCCGGGGGACACCATGCTCCCTGCAGGCTCTGTCGCCGATGGGGAAGATGCC	2040
Db	2031	GTGGTCTATTTCCGGGGGACACCATGCTCCCTGCAGGCTCTGTCGCCGATGGGGAAGATGCC	2090
QY	2041	ACCTCTCTGATATCATGAAAGCCACCTCTGAGATGTTGGAAAGAAAGCAGTGGAAAAG	2100
Db	2091	ACCTCTCTGATATCATGAAAGCCACCTCTGAGATGTTGGAAAGAAAGCAGTGGAAAAG	2150
QY	2101	ACACACAGCAAAAGTCCCAAGCCATCAGCGTGGGATGCGGATGAAACGCGGATTTATT	2160
Db	2151	ACACACAGCAAAAGTCCCAAGCCATCAGCGTGGGATGCGGATGAAACGCGGATTTATT	2210
QY	2161	ATGCTGAACCACTTCCAGCCAGCGGTATGSCAAGGTCCTTCCAGCCCAATTGACG	2220
Db	2211	ATGCTGAACCACTTCCAGCCAGCGGTATGSCAAGGTCCTTCCAGCCCAATTGACG	2270
QY	2221	GAGAAAGTGGAGTTGCTTTGACCAATGAAAGTCTTGCTTGGAGATTTTCCAAATG	2280
Db	2271	GAGAAAGTGGAGTTGCTTTGACCAATGAAAGTCTTGCTTGGAGATTTTCCAAATG	2330
QY	2281	CCCAAGCTGATTTCCCCCACTGAAAGCCTGTTTGTGCGCAATCAGAGATGAGAGG	2340
Db	2331	CCCAAGCTGATTTCCCCCACTGAAAGCCTGTTTGTGCGCAATCAGAGATGAGAGG	2390
QY	2341	CGCAGGGGGAAGCGGGAGCTGCGGAGGTGCGGGCGGCTCTGTCAGGGAGCTGGCA	2400
Db	2391	CGCAGGGGGAAGCGGGAGCTGCGGAGGTGCGGGCGGCTCTGTCAGGGAGCTGGCA	2450
QY	2401	GGCGGCTCTGAGATGAGGAGCTCTCAGCAGAAAGCGGGCCACACAGAGAGCCACAGGCC	2460
Db	2451	GGCGGCTCTGAGATGAGGAGCTCTCAGCAGAAAGCGGGCCACACAGAGAGCCACAGGCC	2510
QY	2461	AAGAAGGTCAAGGCCCACTGA 2481	
Db	2511	AAGAAGGTCAAGGCCCACTGA 2531	

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? PRIOR FILING DATE: 1999-11-05
? NUMBER OF SEQ. ID NOS: 240
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 3
? LENGTH: 2958
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: misc feature
? LOCATION: (51)-(1253)
? OTHER INFORMATION: coding sequence as in SEQ ID NO.1
US-03-988-687-3

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Query Match	100.0%;	Score 2481;	DB 11;	Length 2958;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2481;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy	1	ATGAGGACGCTTTGCTCGCTGCTCGAGTCCGCGCCGGAACCAACATGTCGACAGGACGC	60
Db	51	ATGAGGACGCTTTGCTCGCTGCTCGAGTCCGCGCCGGAACCAACATGTCGACAGGACGC	110
Qy	61	ACCATATCGACAGCACCCGCGCCGCGAGCGGCTCGGACAGAACCCGCTCGGACCTG	120
Db	111	ACCATATCGACAGCACCCGCGCCGCGAGCGGCTCGGACAGAACCCGCTCGGACCTG	170
Qy	121	CGACGCGAGAGAAAGCCCGGACCGCTCGGCGGTGCTCCGCGGCGCCAAACACGTTGACCTG	180
Db	171	CGACGCGAGAGAAAGCCCGGACCGCTCGGCGGTGCTCCGCGGCGCCAAACACGTTGACCTG	230
Qy	181	CAGGTGGTGGCAGCGGGTAGCCGGGACTCGGAGCGCCGCGCTCTACGTCCTTCGCGAGTTG	240
Db	231	CAGGTGGTGGCAGCGGGTAGCCGGGACTCGGAGCGCCGCGCTCTACGTCCTTCGCGAGTTG	290
Qy	241	AACCGGTATCTCTTCAACTGTGGAGAAAGGCTTCAAGACTCATGACAGAGACAAGTTA	300
Db	291	AACCGGTATCTCTTCAACTGTGGAGAAAGGCTTCAAGACTCATGACAGAGACAAGTTA	350
Qy	301	AAGGTGCTGCGCCGTGGACAACATATTCCTGACAGAAATGCACTGCTCTAATGTTGGGGGC	360
Db	351	AAGGTGCTGCGCCGTGGACAACATATTCCTGACAGAAATGCACTGCTCTAATGTTGGGGGC	410
Qy	361	TTAAGTGAATGATCTTACTTTAAAGGAAACCGGGCTTCCAAAGTGTGATCTTCTGGA	420
Db	411	TTAAGTGAATGATCTTACTTTAAAGGAAACCGGGCTTCCAAAGTGTGATCTTCTGGA	470
Qy	421	CTTCCACAACGTGAAAAATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTGAAGA	480
Db	471	CTTCCACAACGTGAAAAATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTGAAGA	530
Qy	481	ATTAGAACGTGGCTGGCGGCCCCACTCTGCCCCAGAAATACAGAGATGAAACAATGACAGTT	540
Db	531	ATTAGAACGTGGCTGGCGGCCCCACTCTGCCCCAGAAATACAGAGATGAAACAATGACAGTT	590
Qy	541	TACCAGATCCCCATACACAGTGAACAGAGAGGGGAAAGCAACCAATGCGACAGTCCA	600
Db	591	TACCAGATCCCCATACACAGTGAACAGAGAGGGGAAAGCAACCAATGCGACAGTCCA	650
Qy	601	GAAAGGCTCTACACAGAGCTCAATGCCAGAGGATCTTCAGACTCCGAATCGAATGAATAAT	660
Db	651	GAAAGGCTCTACACAGAGCTCAATGCCAGAGGATCTTCAGACTCCGAATCGAATGAATAAT	710
Qy	661	GAGCACAACCTTCCACATGTTGTTAGCCAGAGAAAGGGGTCAAGGACCTTCCCTGCGTCC	720
Db	711	GAGCACAACCTTCCACATGTTGTTAGCCAGAGAAAGGGGTCAAGGACCTTCCCTGCGTCC	770
Qy	721	GTAGCTTTCACTGTGAAGCTTCACTTAAAGAGAGAAACCTTCTTGTTGCTCAAGACAAG	780
Db	771	GTAGCTTTCACTGTGAAGCTTCACTTAAAGAGAGAAACCTTCTTGTTGCTCAAGACAAG	830
Qy	781	GAGATGGGCCCCGAGTTGGGACAGCTGCATGCTGCCCATTTGCGTGCCTCAAGAAC	840
Db	831	GAGATGGGCCCCGAGTTGGGACAGCTGCATGCTGCCCATTTGCGTGCCTCAAGAAC	890

QY	841	GGGAAAAGCATCACTCAATGAAGAAAGAGATTTTGGCTGGAAGCGTGTACTCTCCA	900
Db	891	GGGAAAAGCATCACTCAATGAAGAAAGAGATTTTGGCTGAAGAGCTGTACTCTCCA	950
QY	901	GATCCTGGTGTGCTTTTGTGTGGTGAAGATGTCAGATGAAGCTTCAATTCACCCATC	960
Db	951	GATCCTGGTGTGCTTTTGTGTGGTGAAGATGTCAGATGAAGCTTCAATTCACCCATC	1010
QY	961	TGTGAATATGCCACCTTTCAGAGGTACCAAGAAAGGCAGATGCCCCGTGGCTTGGTG	1020
Db	1011	TGTGAATATGCCACCTTTCAGAGGTACCAAGAAAGGCAGATGCCCCGTGGCTTGGTG	1070
QY	1021	GTTACATATGGCCCCAGCATCTGTGGTTGTGACAGAGGTACAGAGTGGATGAAGAG	1080
Db	1071	GTTACATATGGCCCCAGCATCTGTGGTTGTGACAGAGGTACAGAGTGGATGAAGAG	1130
QY	1081	TTTGGGCGCTGACACCCAGCACTTGTGCTCTGAATGAATCTGTGCCCTCAGTTCAACACTT	1140
Db	1131	TTTGGGCGCTGACACCCAGCACTTGTGCTCTGAATGAATCTGTGCCCTCAGTTCAACACTT	1190
QY	1141	CGCAGCCCAAGATTCAAAACCCAGTCACTCATCACCCGGACATCTTCCCTGTCTC	1200
Db	1191	CGCAGCCCAAGATTCAAAACCCAGTCACTCATCACCCGGACATCTTCCCTGTCTC	1250
QY	1201	ACCAATTCGGCTGTGAAGAAGAGGGGCCCCACCTCAGTGTGCCATATGGTTCAAGGTGAA	1260
Db	1251	ACCAATTCGGCTGTGAAGAAGAGGGGCCCCACCTCAGTGTGCCATATGGTTCAAGGTGAA	1310
QY	1261	TGCGCTCTCAAGTACACAGCTCCGTCCAGAGAGGAGTGGCAGAGGAGATGCCATTATTA	1320
Db	1311	TGCGCTCTCAAGTACACAGCTCCGTCCAGAGAGGAGTGGCAGAGGAGATGCCATTATTA	1370
QY	1321	TGCAATCTCTGAAGATTATATGTTGAGGCGCTGCAGCTTCCCACTTCCAGCAGAGCGTG	1380
Db	1371	TGCAATCTCTGAAGATTATATGTTGAGGCGCTGCAGCTTCCCACTTCCAGCAGAGCGTG	1430
QY	1381	CAGAGGTACAGAGAGAGTGGCCAGAGACGGCCAGCCAGCAGAGAGAAAGAAAGTCAGTAC	1440
Db	1431	CAGAGGTACAGAGAGAGTGGCCAGAGACGGCCAGCCAGCAGAGAGAAAGAAAGTCAGTAC	1490
QY	1441	CCAGAAATCATCTTCTCTTGAAACAGAGGTCTGCATCCCGATGAAGATTCCAAATGTCA	1500
Db	1491	CCAGAAATCATCTTCTCTTGAAACAGAGGTCTGCATCCCGATGAAGATTCCAAATGTCA	1550
QY	1501	GCCACACTTGTCAACATTAAGCCCCGACACGTCCTGTCTACTGACCTGTGTGAAGGAC	1560
Db	1551	GCCACACTTGTCAACATTAAGCCCCGACACGTCCTGTCTACTGACCTGTGTGAAGGAC	1610
QY	1561	TTTGGGCGACGTGTGCCGTCTTAACGAGAACCAAGGTGACAGAGTCTGGGACCCCTGGCT	1620
Db	1611	TTTGGGCGACGTGTGCCGTCTTAACGAGAACCAAGGTGACAGAGTCTGGGACCCCTGGCT	1670
QY	1621	GCTGTGTTTGTGTCCCACTGTGACGACATCAACAAGGGCTTGGCAAGTCTTGGCTG	1680
Db	1671	GCTGTGTTTGTGTCCCACTGTGACGACATCAACAAGGGCTTGGCAAGTCTTGGCTG	1730
QY	1681	CAGAGAGAACGGCGCTTGGCATCTTTGGGAAAACCGCTTCAACCTTTGCTGTGTGGTCC	1740
Db	1731	CAGAGAGAACGGCGCTTGGCATCTTTGGGAAAACCGCTTCAACCTTTGCTGTGTGGTCC	1790
QY	1741	CCCAACCAAGCTCAAAAGCCTGGCTCCAGACATACCAACCAAGTCCAGAGAGTCTGTAC	1800
Db	1791	CCCAACCAAGCTCAAAAGCCTGGCTCCAGACATACCAACCAAGTCCAGAGAGTCTGTAC	1850
QY	1801	CACATCAGTATGATTCCTGCGCAAAATGCGCTTACAGAAAGGGGGCTGAGATTCAGTCTGCA	1860
Db	1851	CACATCAGTATGATTCCTGCGCAAAATGCGCTTACAGAAAGGGGGCTGAGATTCAGTCTGCA	1910
QY	1861	GTGGAAGATTTGATCAGTTGCTGTGGCGAATGTGATTTTGAAGAGTTTCAGACCTGT	1920
Db	1911	GTGGAAGATTTGATCAGTTGCTGTGGCGAATGTGATTTTGAAGAGTTTCAGACCTGT	1970
QY	1921	CTGGGCGCGCACTGCAGACATGCGTTTGGCTGTGCGCTGTGTGCACACTTGTGGCTGAAA	1980

Db	1971	CTGGTGGGCACTGCAAGCATGGGTTTGGCTGTGCGCTGGTGACACCTCTGGCTGGAA	2030
Qy	1981	GTGGTCTATTCCGGGGGACACCATATGCCCTGGGAGCTCTGGTCCGGATGGGGAAAGATGCC	2040
Db	2031	GTGGTCTATTCCGGGGGACACCATATGCCCTGGGAGGCTCTGGTCCGGATGGGGAAAGATGCC	2090
Qy	2041	ACCCCTCTGATATCATGAAAGCCACCTCGTAAGATGGTTTGGAAAGGAAGCAGTGGAAAG	2100
Db	2091	ACCCCTCTGATATCATGAAAGCCACCTCGTAAGATGGTTTGGAAAGGAAGCAGTGGAAAG	2150
Qy	2101	ACACACAGCACAACGTCCTCCAAAGCCATATGCGTGGGAGATGCGATGAACCGGAGTTATT	2160
Db	2151	ACACACAGCACAACGTCCTCCAAAGCCATATGCGTGGGAGATGCGATGAACCGGAGTTATT	2210
Qy	2161	ATGTGTAAACACTTACAGCAGCGGTATGCCAAGGTCCGCCCTTACAGCCCAACTTCAGC	2220
Db	2211	ATGTGTAAACACTTACAGCAGCGGTATGCCAAGGTCCGCCCTTACAGCCCAACTTCAGC	2270
Qy	2221	GAGAAAGTGGGAGTTGGCTTTGACCATATGAAGTCTGCTTTGGAGACTTTCCAACATG	2280
Db	2271	GAGAAAGTGGGAGTTGGCTTTGACCATATGAAGTCTGCTTTGGAGACTTTCCAACATG	2330
Qy	2281	CCCAAGCTGATTCCTCCCACTGMAAGCCCTGTTTGTGCGGACATCCAGAGGATGGAAG	2340
Db	2331	CCCAAGCTGATTCCTCCCACTGMAAGCCCTGTTTGTGCGGACATCCAGAGGATGGAAG	2390
Qy	2341	CGCAGGAGAAAGCGGAGCTGCGGACAGTGCGGGCGGCTCTCTGTCAGAGGACTGGCA	2400
Db	2391	CGCAGGAGAAAGCGGAGCTGCGGACAGTGCGGGCGGCTCTCTGTCAGAGGACTGGCA	2450
Qy	2401	GGCGGCTTGAGAGATGGGGAGCCTCAGCAGAAAGCGGCGCCACACAGAGAGCCACAGGCC	2460
Db	2451	GGCGGCTTGAGAGATGGGGAGCCTCAGCAGAAAGCGGCGCCACACAGAGAGCCACAGGCC	2510
Qy	2461	AAGAAGCTCAGAGCCCACTGA 2481	
Db	2511	AAGAAGCTCAGAGCCCACTGA 2531	

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RESULT 6
US-09-988-686-3
Sequence 3, Application US/09988686
Publication No. US20030120052A1
GENERAL INFORMATION:
APPLICANT: Tavligian, Sean V.
APPLICANT: Teng, David H. F.
APPLICANT: Simard, Jacques
APPLICANT: Rommens, Johanna M.
TITLE OF INVENTION: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988,686
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564,805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/034,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 2958
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (51)..(2511)
US-09-988-686-3

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Query Match	100.0%	Score 2481	DB 11	Length 2958
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QY	61	ACCATATCGACGACCCCGCCGCGAGCGGCGCGACAGACCCGCTGCGGACCTG	120	
Db	111	ACCATATCGACGACCCCGCCGCGAGCGGCGCGACAGACCCGCTGCGGACCTG	170	
QY	121	CGCACGGAGAGAACGCGGACCGTCTGGGGTGTCTCGGCGGCGCCAAACCGGTGTACTTG	180	
Db	171	CGCACGGAGAGAACGCGGACCGTCTGGGGTGTCTCGGCGGCGCCAAACCGGTGTACTTG	230	
QY	181	CAGATGTGTGACGAGGAGGAGCCGAGACTCCGAGCGCGCTCTAGTCTTCTCCGAGTTC	240	
Db	231	CAGATGTGTGACGAGGAGGAGCCGAGACTCCGAGCGCGCTCTAGTCTTCTCCGAGTTC	290	
QY	241	AACCGGATCTCTTCAACTGTGAGAAAGCGTTGAGAGACTCATGACGAGACACAATTTA	300	
Db	291	AACCGGATCTCTTCAACTGTGAGAAAGCGTTGAGAGACTCATGACGAGACACAATTTA	350	
QY	301	AAGGTGTCTGCGCTCGGACACATATTTCTGACACGAATGCACTGTCTTAATGTTGGGGC	360	
Db	351	AAGGTGTCTGCGCTCGGACACATATTTCTGACACGAATGCACTGTCTTAATGTTGGGGC	410	
QY	361	TTAAGTGAATGATTTCTTAAAGGAAACGGGGCTTCCAAAGTGTGTCTTCTGGA	420	
Db	411	TTAAGTGAATGATTTCTTAAAGGAAACGGGGCTTCCAAAGTGTGTCTTCTGGA	470	
QY	421	CCTCCACAACGTGAAAAATACTCGAAGCAATCAAAATATTTTCTGTCTATTGAAAGGA	480	
Db	471	CCTCCACAACGTGAAAAATACTCGAAGCAATCAAAATATTTTCTGTCTATTGAAAGGA	530	
QY	481	ATAGAACTGGCTGTGCGGCGCCCACTCTGCGCCCAAGATTCAGAGATGAACCATGACATT	540	
Db	531	ATAGAACTGGCTGTGCGGCGCCCACTCTGCGCCCAAGATTCAGAGATGAACCATGACATT	590	
QY	541	TACAGATGCCCATATACAGTGAACAGAGAGGGGAAAGCAACCACTGGCAGAGTCCA	600	
Db	591	TACAGATGCCCATATACAGTGAACAGAGAGGGGAAAGCAACCACTGGCAGAGTCCA	650	
QY	601	GAAAGGCTCTCAGACAGGCTCAGTCCAGAGCGATCTTTCAGCTCCGAGTCGAATGAATAAT	660	
Db	651	GAAAGGCTCTCAGACAGGCTCAGTCCAGAGCGATCTTTCAGCTCCGAGTCGAATGAATAAT	710	
QY	661	GAGCCACACTTCCACATGATGTGTTAGCCAGAGAGGGGTCAAGGACTCTTCCCTGGTC	720	
Db	711	GAGCCACACTTCCACATGATGTGTTAGCCAGAGAGGGGTCAAGGACTCTTCCCTGGTC	770	
QY	721	GTACTTTCACTGTGAAGCTTCACTTAAAGAGAGAACTTCTTGTTGTCTAAAGCAAG	780	
Db	771	GTACTTTCACTGTGAAGCTTCACTTAAAGAGAGAACTTCTTGTTGTCTAAAGCAAG	830	
QY	781	GAGATGGGCTCCGAGTTGGGACAGCTGCACTGCTCCATCATTTGCTGTCAAGGAC	840	
Db	831	GAGATGGGCTCCGAGTTGGGACAGCTGCACTGCTCCATCATTTGCTGTGTCAAGGAC	890	
QY	841	GGAAGAAAGCATCACTCATGAAGAGAGATTTGTGCTGAAGAGCTGTGTACTCTTCCA	900	
Db	891	GGAAGAAAGCATCACTCATGAAGAGAGATTTGTGCTGAAGAGCTGTGTACTCTTCCA	950	
QY	901	GATCTGTGTGCTTTTGTGTGTGTGAAGTCCAGATGAAGACTTCATTCACCAATC	960	
Db	951	GATCTGTGTGCTTTTGTGTGTGTGAAGTCCAGATGAAGACTTCATTCACCAATC	1010	
QY	961	TGTGAAGATGCACTTTCAAGGATCAAGAGAAAGAGATGCCCCGTGGCTTGGTG	1020	
Db	1011	TGTGAAGATGCACTTTCAAGGATCAAGAGAAAGAGATGCCCCGTGGCTTGGTG	1070	
QY	1021	GTTCACATGAGCCCGACATCTGTGCTGTGTGACAGACAGTCAACAGAGTGAATGAAGG	1080	

Db	1071	GTTCACATGGCCCCAGCATCTGTGCTTGTGACACGACAGATCCAGACGTGATGAGAGG	1130
QY	1081	TTTGGGCTCTGACACCCGACACTTGTGCTTGAATGAGAACTGTGCTCAGTTCCAACTT	1140
Db	1131	TTTTGGGCTGTGACACCCGACACTTGTGCTTGAATGAGAACTGTGCTCAGTTCCAACTT	1190
QY	1141	CGCAGCCACAAATTTCAAACCCGACCTCACTTCACTCCCGACATCTTTCCCTGTCTC	1200
Db	1191	CGCAGCCACAAAGATTTCAAACCCGACCTCACTTCACTCCCGACATCTTTCCCTGTCTC	1250
QY	1201	ACGAGTTTCGGGTGTAGAAAGGAGGGGCCACCTCGATGATGGCCATGGTTCAAGGGTAA	1260
Db	1251	ACGAGTTTCGGGTGTAGAAAGGAGGGGCCACCTCGATGATGGCCATGGTTCAAGGGTAA	1310
QY	1261	TGCTCTCTCAAGTACCAAGCTCCGTCCAGGAGGAGTGGCAGAGGGAATGCCATTATTA	1320
Db	1311	TGCTCTCTCAAGTACCAAGCTCCGTCCAGGAGGAGTGGCAGAGGGAATGCCATTATTA	1370
QY	1321	TGCAATCTCTGAGGATTCATATGTTAGGCGCTGACGTTTCCCACTTCACGACAGCGTG	1380
Db	1371	TGCAATCTCTGAGGATTCATATGTTAGGCGCTGACGTTTCCCACTTCACGACAGCGTG	1430
QY	1381	CAGAGATACAGAGGAGTGGGCGGAGAGCGGCCAGCCCAACAGAGAAAGAGTCAATAC	1440
Db	1431	CAGAGATACAGAGGAGTGGGCGGAGAGCGGCCAGCCCAACAGAGAAAGAGTCAATAC	1490
QY	1441	CCAGAAATTCATCTTCTCTTGGAAACAGGGCTCTGCCATCCCGATGAAATTTGTAGT	1500
Db	1491	CCAGAAATTCATCTTCTCTTGGAAACAGGGCTCTGCCATCCCGATGAAATTTGTAGT	1550
QY	1501	GCCACACTTGTCAACATTAAGCCCCGACACGTCCTGTCTATGTGAATGAGGACACA	1560
Db	1551	GCCACACTTGTCAACATTAAGCCCCGACACGTCCTGTCTATGTGAATGAGGACACA	1610
QY	1561	TTTGGGACGCTGGCCGCTCATTTACGAGACCAAGGTGACAGGGCTCGGGCACCTGGCT	1620
Db	1611	TTTGGGACGCTGGCCGCTCATTTACGAGACCAAGGTGACAGGGCTCGGGCACCTGGCT	1670
QY	1621	GCTGTGTTTGTGTCACACCTGCAACGAGATCACCAACGAGGCTTGCACAAATCTTGTG	1680
Db	1671	GCTGTGTTTGTGTCACACCTGCAACGAGATCACCAACGAGGCTTGCACAAATCTTGTG	1730
QY	1681	CAGAGAGACGCGCTTGGACATCTTTGGGAAAGCGCTTACCTTTGCTGTGTGTGCC	1740
Db	1731	CAGAGAGACGCGCTTGGACATCTTTGGGAAAGCGCTTACCTTTGCTGTGTGTGCC	1790
QY	1741	CCCAACCAAGCTCAAAAGCTTGCTTCACAGATACCAACAACAATGCCAGAGATCTTCAC	1800
Db	1791	CCCAACCAAGCTCAAAAGCTTGCTTCACAGATACCAACAACAATGCCAGAGATCTTCAC	1850
QY	1801	CACATCGATATGATTTCTCGCAAAATGCTTCAGGAAAGGGCTGAGATCTCGATCTGCA	1860
Db	1851	CACATCGATATGATTTCTCGCAAAATGCTTCAGGAAAGGGCTGAGATCTCGATCTGCA	1910
QY	1861	GTGAGAAAGTTGATCAGTTGCTGTGTGCGAACATGTATTTGGAAGAATTTACAGCTGT	1920
Db	1911	GTGAGAAAGTTGATCAGTTGCTGTGTGCGAACATGTATTTGGAAGAATTTACAGCTGT	1970
QY	1921	CTGTGTGGGCACTGCAAGCATGTGCTTGGCTGTGCTGCTGCTGCAACCTCTGTGTA	1980
Db	1971	CTGTGTGGGCACTGCAAGCATGTGCTTGGCTGTGCTGCTGCTGCAACCTCTGTGTA	2030
QY	1981	GTGTGTATTTCCGGGGACACCATGCTCTGAGGAGCTCTGTGTCGATGGGAAAGATGCC	2040
Db	2031	GTGTGTATTTCCGGGGACACCATGCTCTGAGGAGCTCTGTGTCGATGGGAAAGATGCC	2090
QY	2041	ACCTCTCTGATACATGAAGCCACCTTGAAATGCTTTGGAAGAGAAAGCATGTGAAAG	2100
Db	2091	ACCTCTCTGATACATGAAGCCACCTTGAAATGCTTTGGAAGAGAAAGCATGTGAAAG	2150
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 Db 2461 AAGAGGTGAGAGCCCACTGA 2481
 RESULT 8
 US-09-988-687-223
 ; Sequence 223, Application US/09988687
 ; Publication No. US20030045704A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavtligian, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/988,687
 ; PRIOR FILING DATE: 2001-11-20
 ; PRIOR APPLICATION NUMBER: 09/564,805
 ; PRIOR FILING DATE: 2000-05-05
 ; PRIOR APPLICATION NUMBER: US 60/107,468
 ; PRIOR FILING DATE: 1998-11-06
 ; PRIOR APPLICATION NUMBER: 09/434,382
 ; PRIOR FILING DATE: 1998-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 223
 ; LENGTH: 2908
 ; TYPE: DNA
 ; ORGANISM: Pan troglodytes
 ; FEATURES:
 ; NAME/KEY: CDS
 ; LOCATION: (1)..(2478)
 ; US-09-988-687-223
 Query Match 99.0%; Score 2455.4; DB 11; Length 2908;
 Best Local Similarity 99.4%; Pred. No. 0;
 Matches 2465; Conservative 0; Mismatches 16; Indels 0; Gaps 0;
 QY 1 ATGTGGGCGCTTGTGCTGCTGCTGCGGCTCGCGGCGCGACCAATGCGAGGGAGCG 60
 Db 1 ATGTGGGCGCTTGTGCTGCTGCTGCGGCTCGCGGCGCGACCAATGCGAGGGAGCG 60
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 QY 241 AACCGGTATCTTCAACTGTGAGAGAGCGCTTCAAGAGACTATGAGAGAGAGCAAGTTA 300
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 QY 301 AAGGTGCTGCGCTGAGCAACATATTTCTGACAGAGATGCACTGGTCTAATGTTGGGGGC 360
 Db 301 AAGGTGCTGCGCTGAGCAACATATTTCTGACAGAGATGCACTGGTCTAATGTTGGGGGC 360

QY 361 TTAAGTGAATGATTTCTTAAAGGAAACGGGGCTTCCAAAGTGTACTTTCTGGA 420
Db 361 TTAAGTGAATGATTTCTTAAAGGAAACGGGGCTTCCAAAGTGTACTTTCTGGA 420
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QY 721 GTAGCTTTCATCTGTAAGCTTCACTTAAAGAGAGAACTTCTTGTGCTCAAGCAAG 780
Db 721 GTAGCTTTCATCTGTAAGCTTCACTTAAAGAGAGAACTTCTTGTGCTCAAGCAAG 780
QY 781 GAGATGGGCTCCCAAGTTGGGACAGCTGCTCCATCATTTGCTGCTCAAGAC 840
Db 781 GAGATGGGCTCCCAAGTTGGGACAGCTGCTCCATCATTTGCTGCTCAAGAC 840
QY 841 GGGAAAAAGCATCATCATGAAAGAGAGATTTTGGCTGAAGAGCTGTACTCTCCA 900
Db 841 GGGAAAAAGCATCATCATGAAAGAGAGATTTTGGCTGAAGAGCTGTACTCTCCA 900
QY 901 GATCTGGTGTCTTTTGTGTTGTGTAAGATGTCAGATGAAAGCTTCAATCAACCATC 960
Db 901 GATCTGGTGTCTTTTGTGTTGTGTAAGATGTCAGATGAAAGCTTCAATCAACCATC 960
QY 961 TGTGAAGATGCACTTTCAAGAGTACCAAGAAAGGCAATGCCCCCTGCTGCTG 1020
Db 961 TGTGAAGATGCACTTTCAAGAGTACCAAGAAAGGCAATGCCCCCTGCTGCTG 1020
QY 1021 GTTCAATGAGCCCAAGCATCTGTGCTTGTGACAGAGATGACAGAGTGAAGAG 1080
Db 1021 GTTCAATGAGCCCAAGCATCTGTGCTTGTGACAGAGATGACAGAGTGAAGAG 1080
QY 1081 TTTGGGCTGACACCCAGCACTTGTGCTGTAATGAGAACTGTGCTCAGTTCAGAACCTT 1140
Db 1081 TTTGGGCTGACACCCAGCACTTGTGCTGTAATGAGAACTGTGCTCAGTTCAGAACCTT 1140
QY 1141 CGAGCCACAAAGATTCAAAACCCAGTCAACTCATCCAGCCGAGCATCTTCCCTGCTC 1200
Db 1141 CGAGCCACAAAGATTCAAAACCCAGTCAACTCATCCAGCCGAGCATCTTCCCTGCTC 1200
QY 1201 ACCGATTTCCGCTGTAAGAGAGAGGGCCCCCACTCAGTGTGCCATGCTTCAAGGTTGA 1260
Db 1201 ACCGATTTCCGCTGTAAGAGAGAGGGCCCCCACTCAGTGTGCCATGCTTCAAGGTTGA 1260
QY 1261 TGCTCTCTCAAGTACAGCTCCGTCACAGAGAGGATGGAAGGATTAATTAAT 1320
Db 1261 TGCTCTCTCAAGTACAGCTCCGTCACAGAGAGGATGGAAGGATTAATTAAT 1320
QY 1321 TGCAATCTGAGAAATTCATAGTTAGGCTGCAAGCTTCCCACTTCCAGAGAGCTG 1380
Db 1321 TGCAATCTGAGAAATTCATAGTTAGGCTGCAAGCTTCCCACTTCCAGAGAGCTG 1380
QY 1381 CAGAGATACAGAGAGAGTGGCAGAGAGGGCCAGCCAGCAGAGAGAAAGAGTCAAGTAC 1440
Db 1381 CAGAGATACAGAGAGAGTGGCAGAGAGGGCCAGCCAGCAGAGAGAAAGAGTCAAGTAC 1440
QY 1441 CCAAGAAATCATCTTCTTGGAACAGGGTCTGCACTCCGATGAAAGATTGCAATGTCACT 1500

Db 1441 CCAAGAAATCATCTTCTTGGAACAGGGTCTGCACTCCGATGAAAGATTGCAATGTCACT 1500
QY 1501 GCCACACTTGTCAACATAAGCCCGGACACAGCTCTGTGTAAGTGTGAGGGCACA 1560
Db 1501 GCCACACTTGTCAACATAAGCCCGGACACAGCTCTGTGTAAGTGTGAGGGCACA 1560
QY 1561 TTTGGGCACTGTGCTGCTTAAAGAGACAGAGTGAACAGGCTCTGAGGACCTTGACT 1620
Db 1561 TTTGGGCACTGTGCTGCTTAAAGAGACAGAGTGAACAGGCTCTGAGGACCTTGACT 1620
QY 1621 GCTGTGTTTGTGCTCCAGCTGCAAGAGATCACACAGGGCTTGCATTAATATCTGCTG 1680
Db 1621 GCTGTGTTTGTGCTCCAGCTGCAAGAGATCACACAGGGCTTGCATTAATATCTGCTG 1680
QY 1681 CAGAGAGAAAGGCGCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTGTGCTGCTGCTG 1740
Db 1681 CAGAGAGAAAGGCGCTTGGCATCTTTGGGAAAGCCGCTTCAACCTTGTGCTGCTGCTG 1740
QY 1741 CCCAACAGCTCAAGCTGCTGCTCAGAGATCACACAGGCTCAGAGAGTCTGCTGCTG 1800
Db 1741 CCCAACAGCTCAAGCTGCTGCTCAGAGATCACACAGGCTCAGAGAGTCTGCTGCTG 1800
QY 1801 CACATCAGTATGATCTGCTGCAATGCTTCAAGAAAGGCTGAGATCTCAGTCTGCA 1860
Db 1801 CACATCAGTATGATCTGCTGCAATGCTTCAAGAAAGGCTGAGATCTCAGTCTGCA 1860
QY 1861 GTGGAAGATGATCAGTTCAGTTCGCTGCTGCAATGCTTCAAGAAAGGCTGAGATCTC 1920
Db 1861 GTGGAAGATGATCAGTTCAGTTCGCTGCTGCAATGCTTCAAGAAAGGCTGAGATCTC 1920
QY 1921 CTGGTGGGCACTGCAAGCATGCGTTTGGCTGCTGCTGCTGCAACCTTGTGCTGAAA 1980
Db 1921 CTGGTGGGCACTGCAAGCATGCGTTTGGCTGCTGCTGCTGCAACCTTGTGCTGAAA 1980
QY 1981 GTGTCTATTCGCGGACACATGCTGCTGAGGCTTGTGCTGCTGCTGCTGCTGCTGCTG 2040
Db 1981 GTGTCTATTCGCGGACACATGCTGCTGAGGCTTGTGCTGCTGCTGCTGCTGCTGCTG 2040
QY 2041 ACCCTCTGATATCATGAAAGGCACTTGAAGATGTTTGAAGAGAGAGTGAAGAG 2100
Db 2041 ACCCTCTGATATCATGAAAGGCACTTGAAGATGTTTGAAGAGAGAGTGAAGAG 2100
QY 2101 ACAACAGCAACAGTCCAGGCAATGCGTGGAGATGCGGAGTTCATT 2160
Db 2101 ACAACAGCAACAGTCCAGGCAATGCGTGGAGATGCGGAGTTCATT 2160
QY 2161 ATGTGAAACCACTTCAAGCGCTATGCAAGGTCCCCCTTCAAGCCCCCACTTCAAC 2220
Db 2161 ATGTGAAACCACTTCAAGCGCTATGCAAGGTCCCCCTTCAAGCCCCCACTTCAAC 2220
QY 2221 GAGAAAGTGGAGTGGCTTGAACACATGAAAGTCTGTTGGAAGCTTTCACAAATG 2280
Db 2221 GAGAAAGTGGAGTGGCTTGAACACATGAAAGTCTGTTGGAAGCTTTCACAAATG 2280
QY 2281 CCAAGCTGATTTCCCACTGAAAGCCCTGTTTCTGCGACATGAGAGATGAGAGAG 2340
Db 2281 CCAAGCTGATTTCCCACTGAAAGCCCTGTTTCTGCGACATGAGAGATGAGAGAG 2340
QY 2341 CGCAGGAGAGAGGAGCTGCGGAGAGTGGCGGAGGCTCTCTGTCCAGAGAGCTGGCA 2400
Db 2341 CGCAGGAGAGAGGAGCTGCGGAGAGTGGCGGAGGCTCTCTGTCCAGAGAGCTGGCA 2400
QY 2401 GGGGCTCTGAGAGTGGGAGGCTCAGCAGAGAGGGGCCACACAGAGAGCCACAGGCC 2460
Db 2401 GGGGCTCTGAGAGTGGGAGGCTCAGCAGAGAGGGGCCACACAGAGAGCCACAGGCC 2460
QY 2461 AAGAGGTCAGAGCCAGTGA 2481
Db 2461 AAGAGGTCAGAGCCAGTGA 2481

RESULT 9

QY 1681 CAGAGAGACGCGCTTGGCATCTTTGGAAAAGCCGCTTCACTTTGCTGGTGGCC 1740
DB 1681 CAGAGAGACGAGCTTGGCATCTTTGGAAAAGCCCTTTGCACTTTGCTGGTGGCC 1740
QY 1741 CCCAACCAAGCTCCAAAGCTGGCTCCAGAGTACACAAACCAAGCTCCAGAGTCCAC 1800
DB 1741 CCCAACCAAGCTCCAAAGCTGGCTCCAGAGTACACAAACCAAGCTCCAGAGTCCAC 1800
QY 1801 CACATCATATGATATCTCTGCAAAATGCTTGAAGAGGGGCTGAGATCTCACTCTGA 1860
DB 1801 CACATCATATGATATCTCTGCAAAATGCTTGAAGAGGGGCTGAGATCTCACTCTGA 1860
QY 1861 GTGAGAAAGATTGATCAGTTGCTGCTGTGGAAATGTGATTTGAAAGATTTCAGACTGT 1920
DB 1861 GTGAGAAAGATTGATCAGTTGCTGCTGTGGAAATGTGATTTGAAAGATTTCAGACTGT 1920
QY 1921 CTGCTGGGCGCTGCAAGATGCTGTGGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 1980
DB 1921 CTGCTGGGCGCTGCAAGATGCTGTGGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 1980
QY 1981 GTGCTCTATTCCTGGGGAACCAATGCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 2040
DB 1981 GTGCTCTATTCCTGGGGAACCAATGCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 2040
QY 2041 ACCCTCTGATATCATGAAAGCCCTGGAAGATGCTGTGGAAGAGAAAGAGTGAAG 2100
DB 2041 ACCCTCTGATATCATGAAAGCCCTGGAAGATGCTGTGGAAGAGAAAGAGTGAAG 2100
QY 2101 ACACACAGACCAAGTCCCAAGCCATCAGCTGTGGGATGCGGATGAAAGCGGAGTTCA 2160
DB 2101 ACACACAGACCAAGTCCCAAGCCATCAGCTGTGGGATGCGGATGAAAGCGGAGTTCA 2160
QY 2161 ATGCTGAACCACTTCAAGCAGAGGCTGATGCAAGGCTCCCTCTTCAAGCCCACTTCA 2220
DB 2161 ATGCTGAACCACTTCAAGCAGAGGCTGATGCAAGGCTCCCTCTTCAAGCCCACTTCA 2220
QY 2221 GAGAAAGTGGAGTGGCTTTGACACATGAAAGTCTGCTTTGGAATCTTCAACATG 2280
DB 2221 GAGAAAGTGGAGTGGCTTTGACACATGAAAGTCTGCTTTGGAATCTTCAACATG 2280
QY 2281 CCCAAGCTGATCTCCCACTGAAAGCCCTGTTGCTGGGATGCGGATGAAAGTGAAG 2340
DB 2281 CCCAAGCTGATCTCCCACTGAAAGCCCTGTTGCTGGGATGCGGATGAAAGTGAAG 2340
QY 2341 CGCAGGAGGAGAGCGGAGCTGCGAGGAGTGGGAGGCGGCTCTGCTCAGGAGTGA 2400
DB 2341 CGCAGGAGGAGAGCGGAGCTGCGAGGAGTGGGAGGCGGCTCTGCTCAGGAGTGA 2400
QY 2401 GCGGCGCTGAGAGTGGGAGCTTCAAGCAAGCGGCGCCACACAGAGAGCCACAGG 2460
DB 2401 GCGGCGCTGAGAGTGGGAGCTTCAAGCAAGCGGCGCCACACAGAGAGCCACAGG 2460
QY 2461 AAGAAAGTCAAGCCCACTGA 2481
DB 2461 AAGAAAGTCAAGCCCACTGA 2481

RESULT 10
US-09-988-626-225
; Sequence 225, Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; CURRENT FILING DATE: 2001-11-20

;; PRIOR APPLICATION NUMBER: 09/564,805
;; PRIOR FILING DATE: 2000-05-05
;; PRIOR APPLICATION NUMBER: US 60/107,468
;; PRIOR FILING DATE: 1998-11-06
;; PRIOR APPLICATION NUMBER: 09/434,382
;; PRIOR FILING DATE: 1999-11-05
;; NUMBER OF SEQ ID NOS: 240
;; SOFTWARE: Patent In Ver. 2.0
;; SEQ ID NO 225
;; LENGTH: 2892
;; TYPE: DNA
;; ORGANISM: Gorilla gorilla
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: (1)..(2478)
US-09-988-626-225

Query Match 98.5%; Score 2442.6; DB 11; Length 2892;

Best Local Similarity 99.0%; Pred. No. 0; Mismatches 24; Indels 0; Gaps 0;

Matches 2457; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 1 ATGTGGCGCTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
DB 1 ATGTGGCGCTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 60
QY 61 ACCATATGCAAGCACCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
DB 61 ACCATATGCAAGCACCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
QY 121 CGCAGCGGAGAAAGAGCGGAGACCGTGGGGGTGCTGCGGGGAGCCCAACACCGTGTACTG 180
DB 121 CGCAGCGGAGAAAGAGCGGAGACCGTGGGGGTGCTGCGGGGAGCCCAACACCGTGTACTG 180
QY 181 CAGGTGTGCGCAGCGGAGTACCGGAGTCTGCGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240
DB 181 CAGGTGTGCGCAGCGGAGTACCGGAGTCTGCGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTG 240
QY 241 AACGGTATCTTCTCAACTGTGAGAAAGCGCTTCAAGATCATGACGAGACCAATTA 300
DB 241 AACGGTATCTTCTCAACTGTGAGAAAGCGCTTCAAGATCATGACGAGACCAATTA 300
QY 301 AAGGTCTGCTGCTGCAACATATTCCTGACACGAATGACGTGCTTAATGTTGGGGG 360
DB 301 AAGGTCTGCTGCTGCAACATATTCCTGACACGAATGACGTGCTTAATGTTGGGGG 360
QY 361 TTAAGTGAATGATCTTCACTTTAAAGAAACCGGCTTCAAGTGTGATCTTCTGA 420
DB 361 TTAAGTGAATGATCTTCACTTTAAAGAAACCGGCTTCAAGTGTGATCTTCTGA 420
QY 421 CTTCCACAACCTGAAATAATCTTGAAGCAATCAAAATATTTTCTGCTCATTTGAAGA 480
DB 421 CTTCCACAACCTGAAATAATCTTGAAGCAATCAAAATATTTTCTGCTCATTTGAAGA 480
QY 481 ATTAAGTGTGCTGCGGCGCCCACTGCGCCCAAGATACGAGATGAAGCAATGACAGTT 540
DB 481 ATTAAGTGTGCTGCGGCGCCCACTGCGCCCAAGATACGAGATGAAGCAATGACAGTT 540
QY 541 TACCAAGATCCCATATACAGTGAACAGAGAGGGGAAAGCAACCAATGAGCAAGTCA 600
DB 541 TACCAAGATCCCATATACAGTGAACAGAGAGGGGAAAGCAACCAATGAGCAAGTCA 600
QY 601 GAAAGGCTCTCAGCAGGCTCAGTCAAGCGATCTTCAAGCTTCAAGTGAATGAAT 660
DB 601 GAAAGGCTCTCAGCAGGCTCAGTCAAGCGATCTTCAAGCTTCAAGTGAATGAAT 660
QY 661 GAGCACAACCTTCAACATGCTGTTAGCCAGAGAAAGAGGGGCTCAGGAGCTCTCCCTGTC 720
DB 661 GAGCACAACCTTCAACATGCTGTTAGCCAGAGAAAGAGGGGCTCAGGAGCTCTCCCTGTC 720
QY 721 GTACTTCAATCTGTAAGCTTCACTTAAGAGAGAACTCTTGTGCTCAAGCAAG 780
DB 721 GTACTTCAATCTGTAAGCTTCACTTAAGAGAGAACTCTTGTGCTCAAGCAAG 780

QY 781 GAGATGGGCTCCAGTTGGGACAGCTGGCCATCGCTCCCATCTGCTGTCAGAGC 840
 DB 781 GAGATGGGCTCCAGTTGGGACAGCTGGCCATCGCTCCCATCTGCTGTCAGAGC 840
 QY 841 GGGAAAGCATCTCATGAAAGAGAGATTTTGGCTGAAGAGCTGTACTCTCCCA 900
 DB 841 GGGAAAGCATCTCATGAAAGAGAGATTTTGGCTGAAGAGCTGTACTCTCCCA 900
 QY 901 GATCTGTGCTGCTTTTGGTGTAGAAATGTCAGATGAAAGCTTCAATCAACCATC 960
 DB 901 GATCTGTGCTGCTTTTGGTGTAGAAATGTCAGATGAAAGCTTCAATCAACCATC 960
 QY 961 TGTGAGATGCACTTTCAAGAGGTAACAAGAAAGGCAAGTCCCGTGGCTTGTG 1020
 DB 961 TGTGAGATGCACTTTCAAGAGGTAACAAGAAAGGCAAGTCCCGTGGCTTGTG 1020
 QY 1021 GTTCAATGGGCCCCAGATCTGTCTTGTGACAGAGATGTAACAAGTGTGAGAG 1080
 DB 1021 GTTCAATGGGCCCCAGATCTGTCTTGTGACAGAGATGTAACAAGTGTGAGAG 1080
 QY 1081 TTTGGGCTGACACCCAGCACTTGTCTGTAATGAAATGTGCTGAGTTCAACCTT 1140
 DB 1081 TTTGGGCTGACACCCAGCACTTGTCTGTAATGAAATGTGCTGAGTTCAACCTT 1140
 QY 1141 CGAGCCACAAGATTCAAAACCCAGCTCAACTCATCCAGCAATCTTCCCTGCTC 1200
 DB 1141 CGAGCCACAAGATTCAAAACCCAGCTCAACTCATCCAGCAATCTTCCCTGCTC 1200
 QY 1201 ACCGATTTCCGCTGTAGAAAGAGAGGCCCCCTCAGTGTGCTGCTGTAAGTGA 1260
 DB 1201 ACCGATTTCCGCTGTAGAAAGAGAGGCCCCCTCAGTGTGCTGCTGTAAGTGA 1260
 QY 1261 TGCCTCTCAAGTACAGAGCTCCCTCCAGAGAGAGTGGCAGAGATGCAATTAAT 1320
 DB 1261 TGCCTCTCAAGTACAGAGCTCCCTCCAGAGAGAGTGGCAGAGATGCAATTAAT 1320
 QY 1321 TGCATCTCTGAGAAATCATATGTTAGAGCGCTGAGCTTCCCACTTCAAGAGCG 1380
 DB 1321 TGCATCTCTGAGAAATCATATGTTAGAGCGCTGAGCTTCCCACTTCAAGAGCG 1380
 QY 1381 CAGAGATACAGAGAGAGTGGCAGAGAGCGCCAGCCCAAGAGAAAGATCAAGTAC 1440
 DB 1381 CAGAGATACAGAGAGAGTGGCAGAGAGCGCCAGCCCAAGAGAAAGATCAAGTAC 1440
 QY 1441 CCAGAAATCATCTCTTGGAAAGAGGCTGCGCATCCCGATGAGATTCGAATGTCAGT 1500
 DB 1441 CCAGAAATCATCTCTTGGAAAGAGGCTGCGCATCCCGATGAGATTCGAATGTCAGT 1500
 QY 1501 GCCACACTTGTCAACATTAAGCCCGACACGCTCTGTGCTAATGAGTGTGAGAGCA 1560
 DB 1501 GCCACACTTGTCAACATTAAGCCCGACACGCTCTGTGCTAATGAGTGTGAGAGCA 1560
 QY 1561 TTTGGGAGCTGTGCTGCTCATTAAGAGACAGAGTGAACAGGCTCTGGGCACTTGT 1620
 DB 1561 TTTGGGAGCTGTGCTGCTCATTAAGAGACAGAGTGAACAGGCTCTGGGCACTTGT 1620
 QY 1621 GCTGTGTTGTGCTCCACCTGCAAGAGATCAACACAGGCTGCTGCAAGATTTCTGT 1680
 DB 1621 GCTGTGTTGTGCTCCACCTGCAAGAGATCAACACAGGCTGCTGCAAGATTTCTGT 1680
 QY 1681 CAGAGAGACAGCGCTTGGGCACTTTTGGGAAAGCGCTTCACTTGTGCTGTGCTG 1740
 DB 1681 CAGAGAGACAGCGCTTGGGCACTTTTGGGAAAGCGCTTCACTTGTGCTGTGCTG 1740
 QY 1741 CCCAAGCAAGCTGCTGCTCCAGAGTACCAACAACAGTCCAGAGAGTCTGTGAC 1800
 DB 1741 CCCAAGCAAGCTGCTGCTCCAGAGTACCAACAACAGTCCAGAGAGTCTGTGAC 1800
 QY 1801 CACATCATGATGATTCCTGCAAAATGCTTCAAGAAAGGAGCTGAGATCTCCAGTCTG 1860
 DB 1801 CACATCATGATGATTCCTGCAAAATGCTTCAAGAAAGGAGCTGAGATCTCCAGTCTG 1860
 QY 1861 GTGGAAGATGATGATTCGCTGTGCAACATGTGATTTGGAAGATTTCAAGCTGT 1920

DB 1861 GTGGAAGATGATGATTCGCTGTGCAACATGTGATTTGGAAGATTTCAAGCTGT 1920
 QY 1921 CTGATGGGCACTGCAAGCATGCGTTGGCTGCGCTGAGTGCACACTTGTGCTGAAA 1980
 DB 1921 CTGATGGGCACTGCAAGCATGCGTTGGCTGCGCTGAGTGCACACTTGTGCTGAAA 1980
 QY 1981 GTGATCTATTCGAGGAGACACATGCTGCTGCAAGCTTGTGCTGCAATGAGTAAAGTGC 2040
 DB 1981 GTGATCTATTCGAGGAGACACATGCTGCTGCAAGCTTGTGCTGCAATGAGTAAAGTGC 2040
 QY 2041 ACCCTCTGATTAATGAGGCACTTGTGAAAGATGTTTGAAGAGAGATGAGTAAAG 2100
 DB 2041 ACCCTCTGATTAATGAGGCACTTGTGAAAGATGTTTGAAGAGAGATGAGTAAAG 2100
 QY 2101 ACAACAGCAGCAGGCTCCCAAGCATGAGCTGAGGAGATGAGTAAAGCGAGTTCATT 2160
 DB 2101 ACAACAGCAGCAGGCTCCCAAGCATGAGCTGAGGAGATGAGTAAAGCGAGTTCATT 2160
 QY 2161 ATGCTGAACCACTTCAAGCAGCAGCTATGCCAAGATCCCTCTTCAAGCCCACTTCAAG 2220
 DB 2161 ATGCTGAACCACTTCAAGCAGCAGCTATGCCAAGATCCCTCTTCAAGCCCACTTCAAG 2220
 QY 2221 GAGAAAGTGGAGTGTGCTTTGACACATGAAAGTCTGCTTTGGAACATTTCCAAATG 2280
 DB 2221 GAGAAAGTGGAGTGTGCTTTGACACATGAAAGTCTGCTTTGGAACATTTCCAAATG 2280
 QY 2281 CCAAGCTGATTCCTCCCAAGCAAGGCTGTTGCTGAGGAGATGAGTAAAGGAG 2340
 DB 2281 CCAAGCTGATTCCTCCCAAGCAAGGCTGTTGCTGAGGAGATGAGTAAAGGAG 2340
 QY 2341 CGCAGGAGAGAGGAGGAGTGTGCGGAGAGTGTGCGGCGGCTCTGCTGCGGAGCTGGA 2400
 DB 2341 CGCAGGAGAGAGGAGGAGTGTGCGGAGAGTGTGCGGCGGCTCTGCTGCGGAGCTGGA 2400
 QY 2401 GCGGCTGTGAGATGAGGAGCTTCAAGAGAGCGGCGCCCAACAGAGAGCAAGGCC 2460
 DB 2401 GCGGCTGTGAGATGAGGAGCTTCAAGAGAGCGGCGCCCAACAGAGAGCAAGGCC 2460
 QY 2461 AAGAAGTCAAGCCCAAGTGA 2481
 DB 2461 AAGAAGTCAAGCCCAAGTGA 2481

RESULT 11
 US-09-988-687-225
 ; Sequence 225, Application US/09988687
 ; Publication No. US2003045704A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavligian, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/988,687
 ; CURRENT FILING DATE: 2001-11-20
 ; PRIOR APPLICATION NUMBER: 09/564,805
 ; PRIOR FILING DATE: 2000-05-05
 ; PRIOR APPLICATION NUMBER: US 60/107,468
 ; PRIOR FILING DATE: 1998-11-06
 ; PRIOR APPLICATION NUMBER: 09/434,382
 ; PRIOR FILING DATE: 1999-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 225
 ; LENGTH: 2892
 ; TYPE: DNA
 ; ORGANISM: Gorilla gorilla
 ; FEATURE:
 ; NAME/KEY: CDS

LOCATION: (1) .. (2478)
US-09-988-687-225

QY	2101	ACACACAGCACAAGTCCCAAGCCATCAGCGTGGGGATGGGAGTAAGAACGGGAGTTCA	2160
Db	2101	ACACACAGCACAAGTCCCAAGCCATCAGCGTGGGGATGGGAGTAAGAACGGGAGTTCA	2160
QY	2161	ATGCTGAACCACTTCAGCCAGCGCTATGCCAAGGCCCCCTTCAGCCCCCACTTCAGC	2220
Db	2161	ATGCTGAACCACTTCAGCCAGCGCTATGCCAAGGCCCCCTTCAGCCCCCACTTCAGC	2220
QY	2221	GAGAAAGTGGGAGTTGCTTTGACCAATGAAGGTCTGCTTTGAGAGACTTTCCAAATG	2280
Db	2221	GAGAAAGTGGGAGTTGCTTTGACCAATGAAGGTCTGCTTTGAGAGACTTTCCAAATG	2280
QY	2281	CCCAAGCTGATTTCCCCCATGAAGCCCTGTGTTGCTGGCCGACATTCGAGGAAATGAGAG	2340
Db	2281	CCCAAGCTGATTTCCCCCATGAAGCCCTGTGTTGCTGGCCGACATTCGAGGAAATGAGAG	2340
QY	2341	CGCAGGAGAAAGCGGAGCTCGCGCAGGTGCGGCGGCGCTTCCTGTCAGGAGATGGCA	2400
Db	2341	CGCAGGAGAAAGCGGAGCTCGCGCAGGTGCGGCGGCGCTTCCTGTCAGGAGATGGCA	2400
QY	2401	GGCGGCTCGAGGATGGGAGCTTCAGCAGAAAGCGGCGCCCAACAGAGAGCCACAGGCC	2460
Db	2401	GGCGGCTCGAGGATGGGAGCTTCAGCAGAAAGCGGCGCCCAACAGAGAGCCACAGGCC	2460
QY	2461	AAGAAAGTCAGAGCCCACTGA	2481
Db	2461	AAGAAAGTCAGAGCCCACTGA	2481

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RESULT 12
US-09-988-686-225
/ Sequence 225, Application US/09988686
/ Publication No. US20030120052A1
/ GENERAL INFORMATION:
/ APPLICANT: Tavtigian, Sean V.
/ APPLICANT: Teng, David H.F.
/ APPLICANT: Simard, Jacques
/ APPLICANT: Rommens, Johanna M.
/ APPLICANT: Myriad Genetics, Inc.
/ TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
/ TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
/ FILE REFERENCE: 2318-258
/ CURRENT APPLICATION NUMBER: US/09/988,686
/ CURRENT FILING DATE: 2001-11-20
/ PRIOR APPLICATION NUMBER: 09/564,805
/ PRIOR FILING DATE: 2000-05-05
/ PRIOR APPLICATION NUMBER: US 60/107,468
/ PRIOR FILING DATE: 1998-11-06
/ PRIOR APPLICATION NUMBER: 09/434,382
/ PRIOR FILING DATE: 1999-11-05
/ NUMBER OF SEQ ID NOS: 240
/ SOFTWARE: Patentln Ver. 2.0
/ SEQ ID NO 225
/ LENGTH: 2892
/ TYPE: DNA
/ ORGANISM: Gorilla gorilla
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (1)..(2478)
/ US-09-988-686-225

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Query Match	98.5%	Score 2442.6	DB 11	Length 2892
Best Local Similarly	99.0%	Pred. No. 0		
Matches 2457	Conservative	0	Mismatches	24
			Indels	0
			Gaps	0

QY	QY	QY	QY
1	1	61	61
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60	60	120	120
ATGTGGGCGCTTTGCTCGCTGCTGGGTCGCGCGCGAGCAGCACCATTGTCGACGGAGCG	ATGTGGGCGCTTTGCTCGCTGCTGGGTCGCGCGCGAGCAGCACCATTGTCGACGGAGCG	ACCATATCGCAGGCAACCCGCGCGCGCGCGAGCGCGCGCGGCAAGGACCCGCGCTGCGGCACTTG	ACCATATCGCAGGCAACCCGCGCGCGCGCGAGCGCGCGCGGCAAGGACCCGCGCTGCGGCACTTG

QY	121	CGCAGCGAGAGAAAGCGCGGACCGTGGGGGTGCTCGCGCGGCCCAAAACACCGGTACTG	180
Db	121	CGCAGCGAGAGAAAGCGGACCGTGGGGGTGCTCGCGCGGCCCAAAACCGGTACTG	180
QY	181	CAGATGTGCAAGCGGGGTAGCCGGGACTCGGGCGCGCGCTCACTACTCTTCGCAATTC	240
Db	181	CAGGTGTGGCAGCGGGGTAGCCGGGACTCGGGCGCGCGCTCACTACTCTTCGCAATTC	240
QY	241	AACCGGTATCTTCAACTGTGGAGAAAGCGTTCAAGAATCATGCAAGACCAAGTTA	300
Db	241	AACCGGTATCTTCAACTGTGGAGAAAGCGTTCAAGAATCATGCAAGACCAAGTTA	300
QY	301	AAGGTCTCGGCTCGGACCAATATTCCTGACACGAATGCATCGTCTTAATGTGTGGGCG	360
Db	301	AAGGTCTTGGCTCGGACCAATATTCCTGACACGAATGCATCGTCTTAATGTGTGGGCG	360
QY	361	TTAAGTGAATGATCTTACTTTAAAGAAACCGGGCTTCCAAAGTGTATCTTCTGGA	420
Db	361	TTAAGTGAATGATCTTACTTTAAAGAAACCGGGCTTCCAAAGTGTATCTTCTGGA	420
QY	421	CTTCACAACGTGAAAAAATACCTGAGACATCAAAATATTTCTGTGCTCAATGAAGA	480
Db	421	CTTCACAACGTGAAAAAATACCTGAGACATCAAAATATTTCTGTGCTCAATGAAGA	480
QY	481	ATGAACTGTGTGCGGCCCACTCTGCCCCAGAAATCAAGATGAACCATGACAGTT	540
Db	481	ATGAACTGTGTGCGGCCCACTCTGCCCCAGAAATCAAGATGAACCATGACAGTT	540
QY	541	TACAGATGCCCAATPACAGTGAACAGAGAGGGGAAAGAACCAACCATGCGAGTCCA	600
Db	541	TACAGATGCCCAATPACAGTGAACAGAGAGGGGAAAGAACCAACCATGCGAGTCCA	600
QY	601	GAAAGGCTCTCAGCAGAGCTCAGTCCAGAGCGATCTTCAACTCCAGTGAATGAATAAT	660
Db	601	GAAAGGCTCTCAGCAGAGCTCAGTCCAGAGCGATCTTCAACTCCAGTGAATGAATAAT	660
QY	661	GAGCCACACCTTCCACATGATGTATTAGCCAGAGAAAGAGGGTCAAGGACTCTTCCCTGGTC	720
Db	661	GAGCCACACCTTCCACATGATGTATTAGCCAGAGAAAGAGGGTCAAGGACTCTTCCCTGGTC	720
QY	721	GTAGCTTTCATCTGTAAAGCTTCACTTAAAGAGAAACTTCTTGGTGTCCAAAGCAAG	780
Db	721	GTAGCTTTCATCTGTAAAGCTTCACTTAAAGAGAAACTTCTTGGTGTCCAAAGCAAG	780
QY	781	GAGATGGGCGTCCAGATGGGGAACAGTGCATCGTCCCATATGTGCTGTCAAGAC	840
Db	781	GAGATGGGCGTCCAGATGGGGAACAGTGCATCGTCCCATATGTGCTGTCAAGAC	840
QY	841	GCGAAAAGCATCACTCATGAAGAGAGAAATTTGGCTGAAGAGCTGTACTCTCCA	900
Db	841	GCGAAAAGCATCACTCATGAAGAGAGAAATTTGGCTGAAGAGCTGTACTCTCCA	900
QY	901	GATCTGTGTGCTTTTGTGTGTGAATGTTCAGATGAATAAGCTTCAATCCATC	960
Db	901	GATCTGTGTGCTTTTGTGTGTGAATGTTCAGATGAATAAGCTTCAATCCATC	960
QY	961	TGTGAAGAAATCGACCTTTCAGAGTACCAAGAAAGGCAATGCCCGCGGCTTGTGTG	1020
Db	961	TGTGAAGAAATCGACCTTTCAGAGTACCAAGAAAGGCAATGCCCGCGGCTTGTGTG	1020
QY	1021	GTTTCACATGCCCCAGCATCTGTGCTTGTGAACAGCAGTACAGCAGTGAATGAAGAG	1080
Db	1021	GTTTCACATGCCCCAGCATCTGTGCTTGTGAACAGCAGTACAGCAGTGAATGAAGAG	1080
QY	1081	TTTGTGGCTTGAACCCAGCACTTGTGTCTGAATGAAGAACTGTGCTCAGTTTCAACCTT	1140
Db	1081	TTTGTGGCTTGAACCCAGCACTTGTGTCTGAATGAAGAACTGTGCTCAGTTTCAACCTT	1140
QY	1141	CGCAGCCCAAGATTCAAACCCAGCTCAACCTATCCACCCGACATCTTCCCTGTGCTC	1200
Db	1141	CGCAGCCCAAGATTCAAACCCAGCTCAACCTATCCACCCGACATCTTCCCTGTGCTC	1200

QY	1081	TTTGGGGCTAGACACCCGAGCACTTGCTCTAAAGAGAACTGTGGCTAGTTCAACCTT	1140
QY	1081	TTTGGGGCTAGACACCCGAGCACTTGCTCTAAAGAGAACTGTGGCTAGTTCAACCTT	1140
Db	1081	TTTGGGGCTAGACACCCGAGCACTTGCTCTAAAGAGAACTGTGGCTAGTTCAACCTT	1140
QY	1141	CGAGGCCAAGATTCAAACCCGAGCTCAACCTATCAACCCGAGCAATCTTCCCTGCTC	1200
Db	1141	CGAGGCCAAGATTCAAACCCGAGCTCAACCTATCAACCCGAGCAATCTTCCCTGCTC	1200

QY	1201	ACGAGTTTCCGCTGTGAAGAGAGAGGCCCCACCTTCAGTGTGCCATGTTCACGGGGA	1260
Db	1201	ACGAGTTTCCCTGTGAAGAGAGAGGCCCCACCTTCAGTGTGCCATGTTCACGGGGA	1260
QY	1261	TGCGCTCCCAAGTACAGACTCCGTCCAGAGAGAGTGGCAGAGAGATGCCATTATTA	1320
Db	1261	TGCGCTCCCAAGTACAGACTCCGTCCAGAGAGAGTGGCAGAGAGATGCCATTATTA	1320
QY	1321	TGCAATCCTGAGGAATCATAGTTGAGGCGCTGCAGCTTCCCACTTCACAGAGGCTG	1380
Db	1321	TGCAATCCTGAGGAATCATAGTTGAGGCGCTGCAGCTTCCCACTTCACAGAGGCTG	1380
QY	1381	CAGAGTACAGAGAGAGTGCAGAGAGCGGCCAGGCCACGACAGAGAGAAAGATCAGTAC	1440
Db	1381	CAGAGTACAGAGAGAGTGCAGAGAGCGGCCAGGCCACGACAGAGAGAAAGATCAGTAC	1440
QY	1441	CCAGAAATCATCTTCTTGGAACAGGGTCTGCCATCCGATGAAGATTGAAATGTCACT	1500
Db	1441	CCAGAAATCATCTTCTTGGAACAGGGTCTGCCATCCGATGAAGATTGAAATGTCACT	1500
QY	1501	GCCACACTTGTTCACATTAAGCCCCGACACAGTCTCTGCTACTGAGACTGTGTGAGAGGACA	1560
Db	1501	GCCACACTTGTTCACATTAAGCCCCGACACAGTCTCTGCTACTGAGACTGTGTGAGAGGACA	1560
QY	1561	TTTGGGACAGCTGTGCCTCATTTACGGAACACAGGTGGAACAGGGTCTCTGGGACCCCTG	1620
Db	1561	TTTGGGACAGCTGTGCCTCATTTACGGAACACAGGTGGAACAGGGTCTCTGGGACCCCTG	1620
QY	1621	GCTGTGTTGTGTCCCACTGCAAGCAATTCACACAGGGCTTGCACAGTATCTTGCTG	1680
Db	1621	GCTGTGTTGTGTCCCACTGCAAGCAATTCACACAGGGCTTGCACAGTATCTTGCTG	1680
QY	1681	CAGAGAGAACGGGCTCTGGCATCTTTGGGAAAGCGGCTTCAACCTTCTGCTGGTGGTCC	1740

Accession	Species	Gene	Protein	Length	CDNA
2281	CCCAAGCTGAT	CCCCCACTGAAAGCCCTGTTTGCCGGCACAATCGAGAGATGGAAGAG	2340		
OY	2241	CGCAGGGAGAAAGCGGGAGCTGCGGCAGAGTCCGGCGGGCCCTCCGTGTCAGGGAGCTGGCA	2400		
Db	2341	CGCAGGGAGAAAGCGGGAGCTGCGGCAGAGTCCGGCGGGCCCTCCGTGTCAGGGAGCTGGCA	2400		
OY	2401	GGCGGCTTGAGAGATGAGGAGCTTCACAGAGCGGGCCCAACAAGAGAGCCACAGGCC	2460		
Db	2401	GGCGGCTTGAGAGATGAGGAGCTTCACAGAGAGCGGGCCCAACAAGAGAGCCACAGGCC	2460		
OY	2461	AAGAAAGTCAGAGCCCACTGA	2481		
Db	2461	AAGAAAGTCAGAGCCCACTGA	2481		

Dp	1861	CCGAAAGACCAACGCTTCGCGCTCCAGAGTACCAACCAACGATGCGAGAGAGTCTTGAC	1800
Qy	1741	CCCAACCAAGCTCAAGAGCTGCTCCAGAGTACCAACCAACGATGCGAGAGAGTCTTGAC	1800
Dp	1741	CCCAACCAAGCTCAAGAGCTGCTCCAGAGTACCAACCAACGATGCGAGAGAGTCTTGAC	1800
Qy	1801	CACATCAGTATGATTTCTGCGCAATAGCTTTCAGGAAGGGGCTGAGATTCCTCAGTCTGCA	1860
Dp	1801	CACATCAGTATGATTTCTGCGCAATAGCTTTCAGGAAGGGGCTGAGATTCCTCAGTCTGCA	1860
Qy	1861	GTCGAAAGATTGATTCAGTTCCGCTGTTGGACATGTGATTTTGGAGAGTTTCAGACCTGT	1920
Dp	1861	GTCGAAAGATTGATTCAGTTCCGCTGTTGGACATGTGATTTTGGAGAGTTTCAGACCTGT	1920
Qy	1921	CTGGAGCGGCACTGGAGAATGCTGTTGGCTGTGCGCTGTGSCACACTCTGCTGGTGA	1980
Dp	1921	CTGGAGCGGCACTGGAGAATGCTGTTGGCTGTGCGCTGTGSCACACTCTGCTGGTGA	1980
Qy	1981	GTCGCTCATTCGCGGGGACACATGCTCTGCGAGCTCTGTCCTCGATGGGGAAGATGCC	2040
Dp	1981	GTCGCTCATTCGCGGGGACACATGCTCTGCGAGCTCTGTCCTCGATGGGGAAGATGCC	2040
Qy	2041	ACCTTCCTGATACATGAAGCCACCTGGAAGATGTTTGGAGAGAGAGACAGTGGAAAG	2100
Dp	2041	ACCTTCCTGATACATGAAGCCACCTGGAAGATGTTTGGAGAGAGAGACAGTGGAAAG	2100
Qy	2101	ACACACAGCAACAGTCCCAAGCCATCAGCTGGGGATGCGGATGAAGCGCGAGTTCAAT	2160
Dp	2101	ACACACAGCAACAGTCCCAAGCCATCAGCTGGGGATGCGGATGAAGCGCGAGTTCAAT	2160
Qy	2161	ATGCTGAACCACTTCAGCGAGGCGATGCAAGGTCCCTTCAGGCCCAACTTCAGC	2220
Dp	2161	ATGCTGAACCACTTCAGCGAGGCGATGCAAGGTCCCTTCAGGCCCAACTTCAGC	2220
Qy	2221	GAGAAAGTGGAGATTCCCTTTGACCAATGAAGTCTGCTTTGGAGACTTTTCAACAATG	2280
Dp	2221	GAGAAAGTGGAGATTCCCTTTGACCAATGAAGTCTGCTTTGGAGACTTTTCAACAATG	2280
Qy	2281	CCCAAGCTGATTCGCCCACTGAAGGCCCTGTTGCTGGCGACATCGAGAGATGGAGAG	2340

[illegible]

QY 541 TACCAAGATCCCATAACAGTGAACAGAGAGGAGAAAGCAACAACATGAGAGATGCA 600
Db 542 TACCAAGATCCCATAACAGTGAACAGAGAGGAGAAAGCAACAACATGAGAGATGCA 601
QY 601 GAAAGGCTCTCAGAGAGCTCAGTCCAGAGAGATTTTCAAGACTCCGATCGATGAATAAT 660
Db 602 GAAAGGCTCTCAGAGAGCTCAGTCCAGAGAGATTTTCAAGACTCCGATCGATGAATAAT 661
QY 661 GAGCCACACTTCCACATGATGTTAGCCAGAGAGAGGAGTCCAGGAGCTTCCCTGATC 720
Db 662 GAGCCACACTTCCACATGATGTTAGCCAGAGAGAGGAGTCCAGGAGCTTCCCTGATC 721
QY 721 GTAGCTTTCATCTGTAACTTCACTTAAAGAGAGAACTTTGTGTCTCAAGAGCAAG 780
Db 722 GTAGCTTTCATCTGTAACTTCACTTAAAGAGAGAACTTTGTGTCTCAAGAGCAAG 781
QY 781 GAGATGGGCTCCCACTTGGAGAGAGCTCCATCGCTCCATCATTTGCTGTCAAGAGAC 840
Db 782 GAGATGGGCTCCCACTTGGAGAGAGCTCCATCGCTCCATCATTTGCTGTCAAGAGAC 841
QY 841 GGGAAAGCATCATCATGAAGAGAGATTTTGTGTGAAGAGCTGTATCTCTCA 900
Db 842 GGGAAAGCATCATCATGAAGAGAGATTTTGTGTGAAGAGCTGTATCTCTCA 901
QY 901 GATCCTGTGTCTTTTGTGTGTGAAGATGTCCAGATGAAGGCTTCAATCAACCCATC 960
Db 902 GATCCTGTGTCTTTTGTGTGTGAAGATGTCCAGATGAAGGCTTCAATCAACCCATC 961
QY 961 TGTGAAGATGCACTTTCAGAGATGCAAGAGAAAGGAGATGCCCTGTGTGTGTG 1020
Db 962 TGTGAAGATGCACTTTCAGAGATGCAAGAGAAAGGAGATGCCCTGTGTGTGTG 1021
QY 1021 GTTCAAGAGGCCCCAGAGATCTGTGTGTGTGAACAGAGATGCAAGAGATGATGAAGAG 1080
Db 1022 GTTCAAGAGGCCCCAGAGATCTGTGTGTGTGAACAGAGATGCAAGAGATGATGAAGAG 1081
QY 1081 TTTGGGCTGTGACACCCAGACCTTGTCTGAATGAAGACTGTGTCTCAAGTCAACAATT 1140
Db 1082 TTTGGGCTGTGACACCCAGACCTTGTCTGAATGAAGACTGTGTCTCAAGTCAACAATT 1141
QY 1141 CGAGAGCACAAGATTCAAAACCCAGTCAACCTCATCAACCCGAGCATTTCCCTGTCTC 1200
Db 1142 CGAGAGCACAAGATTCAAAACCCAGTCAACCTCATCAACCCGAGCATTTCCCTGTCTC 1201
QY 1201 ACCAGTTTCCCTGTGAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1260
Db 1202 ACCAGTTTCCCTGTGAAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1261
QY 1261 TGCCCTCCAGATACAGAGTCCGTCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1320
Db 1262 TGCCCTCCAGATACAGAGTCCGTCAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1321
QY 1321 TGCAATCTCTGAAGATTTAGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1380
Db 1322 TGCAATCTCTGAAGATTTAGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1381
QY 1381 CAGAGATACAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1440
Db 1382 CAGAGATACAGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1441
QY 1441 CCAGAAATCATCTTCTTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1500
Db 1442 CCAGAAATCATCTTCTTGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1501
QY 1501 GCCACACTTGTCAACATTAAGCCCGACAGCTCTCTGCTACTGAGCTGTGTGAGGAGCA 1560
Db 1502 GCCACACTTGTCAACATTAAGCCCGACAGCTCTCTGCTACTGAGCTGTGTGAGGAGCA 1561
QY 1561 TTTGGGAGGCTGT 1620
Db 1562 TTTGGGAGGCTGT 1621

QY 1621 GCTGTGTTTGTGTGCTCCAGCTGACAGCATCAACAACAGGCTTTGCCAAGTATCTTGCTG 1680
Db 1622 GCTGTGTTTGTGTGCTCCAGCTGACAGCATCAACAACAGGCTTTGCCAAGTATCTTGCTG 1681
QY 1681 CAGAGAGAGCGGCTTTGGGATCTTTTGGGAAAGCGGCTTCAACCTTTGTGTGTGTGTG 1740
Db 1682 CAGAGAGAGCGGCTTTGGGATCTTTTGGGAAAGCGGCTTCAACCTTTGTGTGTGTGTG 1741
QY 1741 CCCAACAGCTCAAGAGCTGTGCTCAGAGATCAACAACAGTCCAGAGAGTCTGTGAC 1800
Db 1742 CCCAACAGCTCAAGAGCTGTGCTCAGAGATCAACAACAGTCCAGAGAGTCTGTGAC 1801
QY 1801 CACATCAGTATGATTTCTGCTCCAAATGCTTTCAGAGAGGAGGCTGAGATCTCAGTCTGCA 1860
Db 1802 CACATCAGTATGATTTCTGCTCCAAATGCTTTCAGAGAGGAGGCTGAGATCTCAGTCTGCA 1861
QY 1861 GTGGAAGATTTGATCAGTTCGCTGTGTGGAACATGTGATTTTGAAGATTTCAAGCTGT 1920
Db 1862 GTGGAAGATTTGATCAGTTCGCTGTGTGGAACATGTGATTTTGAAGATTTCAAGCTGT 1921
QY 1921 CTGTGTGAGGCACTGCAAGCATGCGTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1980
Db 1922 CTGTGTGAGGCACTGCAAGCATGCGTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1981
QY 1981 GTGTGTATTTCCGGGAGACACCATGCTCTGCGAGCTGTGTGTGTGTGTGTGTGTGTGTGT 2040
Db 1982 GTGTGTATTTCCGGGAGACACCATGCTCTGCGAGCTGTGTGTGTGTGTGTGTGTGTGTGT 2041
QY 2041 ACCCTCTGATATCAAGAGCCCTGGAAGATGTTTGAAGAGAGAGAGAGAGAGAGAGAG 2100
Db 2042 ACCCTCTGATATCAAGAGCCCTGGAAGATGTTTGAAGAGAGAGAGAGAGAGAGAGAG 2101
QY 2101 ACACAGAGCAACAAGTCCCAAGCATCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2160
Db 2102 ACACAGAGCAACAAGTCCCAAGCATCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2161
QY 2161 ATGTGTAAACCACTTCAGAGAGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2220
Db 2162 ATGTGTAAACCACTTCAGAGAGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2221
QY 2221 GAGAAAGTGGAGT 2280
Db 2222 GAGAAAGTGGAGT 2281
QY 2281 CCCAAGCTGATTTCCCACTGAAGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2340
Db 2282 CCCAAGCTGATTTCCCACTGAAGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2341
QY 2341 CGCAGGAGAGAGGAGGAGCTGCGCAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2400
Db 2342 CGCAGGAGAGAGGAGGAGCTGCGCAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2401
QY 2401 GCGGCTGTGAAGATGAGGAGCTTCAAGCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2460
Db 2402 GCGGCTGTGAAGATGAGGAGCTTCAAGCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2461
QY 2461 AAGAAAGTCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2481
Db 2462 AAGAAAGTCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2482

RESULT 14
US-09-988-626-221
; Sequence 221, Application US/09988626
; Publication No. US2003044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavligian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; TITLE OF INVENTION: Myriad Genetics, Inc.
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes

```

FILE REFERENCE: 2318-258
CURRENT APPLICATION NUMBER: US/09/988, 626
CURRENT FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 09/564, 805
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/107,468
PRIOR FILING DATE: 1998-11-06
PRIOR APPLICATION NUMBER: 09/434,382
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ. ID NOS: 240
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 221
LENGTH: 2470
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2466)
US-09-988-626-221

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Query Match Similarity	66.3%	Score 1645.6	DB 11	Length 2470
Best Local Similarity	81.6%	Pred. No. 0		
Matches 1958; Conservative	0	Mismatches 417	Indels 24	Gaps 4

Qy	58	CGCACCATATCGCAGGCGACCGCCCGCCGCGAGCGCGCGCGAGAACCCCGCTGGCGAC	117
Db	40	CGCACCATATGTCGCGAGGTTCCGCTGTGGCGCGCGGCCACCCAAAGACCCATCGGACAC	99
Qy	118	CTGCGCACCGCAGAGAGCGCGGACCGTCGTGGGGTCTCCGCGCGCCCAACCGGTAC	177
Db	100	CTGCGTACGCGGGAGAGACGCGCGGCC-----GGGTCCCGGGGGGCCGAAACCCGTATAC	153
Qy	178	CTGCAAGGTGTGGCAGCGGGGTACCGGGGACTCGGGCGCGCGCTCAAGCTTCTTCGAG	237
Db	154	CTGCAAGGTGTGGCGCGGGCGGGCGGGGACGCGGGGGCTGCTCTTATGTCTTTCGGAA	213
Qy	238	TTCAACCCGTATCTTCAACTGTGAGAGCGCTTTCAGAGACTCATGACGAGACAGAAG	297
Db	214	TACACACAGTACTTTTATCTGCGGAGAAAGCGCTCAACGACTTATGACGAGAACACAAG	273
Qy	298	TTAAAGGTGCTCGCCTGAGACAATATTTCTGACACGATGCACACTGTTATGTTGGG	357
Db	274	ACTGAAGTCGCTCGCTTGACACATCTTTCGACTCGGATCATTTGGTCAATATTTGGG	333
Qy	358	GGCTTAAGTGAATGATTTCTTACTTTAAAGAAACCGGGCTTCCAAAGTGTACTTTCT	417
Db	334	GGGTGTGTGGAATATTTTAACTTTAAAGGAACCGGGCTTCCAAATGTTTCTGCT	393
Qy	418	GGACCTCCACAATGGAATAATACCGGACGAAAGCAATCAAAATTTTCTGCTCATTTGAA	477
Db	394	GGACCACCAACGCTGAGAAATATCTAGAGCAATCAAAATATTTTCTGCTCATTTGAA	453
Qy	478	GGAATAGAACTGGCTGTGGCGGCCCACTTGGCCCAAGATACAGAGATGAAACCATGACA	537
Db	454	GGAATAGAACTGGCCGTGGGCTCACTCTGACCAAGATTAACAAGATAGACATGACT	513
Qy	538	GTTTACCAATCCCATACACAGTGAACAGAGAGGGGAAAGCAACCATGCGAGCT	597
Db	514	GTTTACCAAGTCCCTATCCACAGTGAACGAGAGGTGGAACCAACAGCATCCAGAC	573
Qy	558	CCAGAAAGCCCTCTGACAGCGCTCACTCCAGACCATCTTCAGACTCCGAGTCGAATGA	657
Db	574	CCAGAAACATCTCCAACAGGCTCATGTCCAACAGTCAAGGACTCTGGAATCAAGTGA	633
Qy	658	AATGAGCCACACTTCCACATGCTGTATGACGAGAGAGGGGTGAGGACTTTCCCTG	717
Db	634	AATGGGC-----AGTGCACACAGAAAGCATGGGGCAGGAA-CCTTCCTTA	678
Qy	718	GTCGTAGCTTTCATCTGTAGCTTACTTTAAAGAGAGAACTTCTTGGTGTCAAGA	777
Db	679	GTCGTAGCTTTCGTCTGCAAGCTTCACTTGAAGAAAGAACTTCTTGGTGTCTTAAAG	738
Qy	778	AAGAGATGGGCTCCCACTTGGAGACGCTGCATCTCCCATCATTCCTGCTGCAAG	837

[illegible]

Db 1819 ACATTGGAAGGCTGATTAAGCTTCTGTGGAAACATGTACTTAGAAGATTTCAGACC 1878
 Qy 1918 TGTCTGTGCGGCACTGCAAGCATCGTTTGCTGTGCGTGTGACACACTCTGGCTGG 1977
 Db 1879 TGCCGTGTACGGCACTGCAAGCATCGTTTGCTGTGCGTGTGACACACTCTGGCTGG 1938
 Qy 1978 AAATGTGTCTATTCGCGGGACACATGCCCTGTGCGAGGCTCTGTGCGGATGGGAAAAGT 2037
 Db 1939 AAATGTGTCTATTCGCGGGATACCATGCGCTGTGAGGCTCTGTGCGGATGGGAAAAGT 1998
 Qy 2038 GCCACCTCTGTATCATGAAAGCAACCTGTGAAAGTGTGTTGGAGAGAGAACCACTGGAA 2097
 Db 1999 GCCACCTCTGTATCATGAAAGCACTGTGAGAGTCTGTTGGAGAGAGAACCACTGGAG 2058
 Qy 2098 AAGACACACAGCAACAGCTCCCAAGCCATCAGCTGTGGGATCGGATGAAACCGAGATTTC 2157
 Db 2059 AAGACACACAGCAACCACTCCCAAGCTATTAATGTGGGATCGGATGAAATCGAGATTTC 2118
 Qy 2158 ATTATGTGAACCACTTCAGCGGCTATGCGAAAGTCCCTCTTCAGCCCCAACTTC 2217
 Db 2119 ATCATGTGAACCACTTCAGCGGCTATGCGAAAGTCCCTCTTCAGCCCCAACTTC 2178
 Qy 2218 AGCGGAAGTGGAGTGGCTTTGACCATGAAAGTCTGTTGGAGACTTTCCACA 2277
 Db 2179 AACGGAAGTGGAGTGGCTTTGACCATGAAAGTCTGTTGGAGACTTTCCACA 2238
 Qy 2278 ATGCCAAGTGAATCCCACTGAAAGCCCTGTTGTGCTGTGCGACATCGAGAGATGAG 2337
 Db 2239 GTGCCCAAGTGAATCCCACTGAAAGCCCTGTTGTGCGACATGAAAGATGAG 2298
 Qy 2338 GAGCGGAGGAGAGAGCGGAGCTGCGGAGGTGCGGCGGCTCTCTGTCCAGGAGCTG 2397
 Db 2299 GAGCGGAGGAGAGAGAGGAGCTGCGGAGGTGCGGCGGCTCTCTGTCCAGGAGCTG 2355
 Qy 2398 GCAGCGGCTGTGAGAGTGGGAGCTTCAGAGAAAGCGGCGGCAACAGAGAGCCACA 2456
 Db 2356 GCAGCGGCTGTGAGAGTGGGAGCTTCAGAGAAAGCGGCGGCAACAGAGATGAGCCACA 2414

RESULT 15

US-09-988-687-221

Sequence 221, Application US/09988687

GENERAL INFORMATION: US20030045704A1

APPLICANT: Taviglian, Sean V.

APPLICANT: Teng, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/988,687

PRIOR FILING DATE: 2001-11-20

PRIOR APPLICATION NUMBER: 09/564,805

PRIOR FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/434,382

NUMBER OF SEQ ID NOS: 240

SOFTWARE: Patent In Ver. 2.0

SEQ ID NO 221

LENGTH: 2470

TYPE: DNA

ORGANISM: Mus musculus

FEATURE:

NAME/KEY: CDS

LOCATION: (1) .. (2466)

US-09-988-687-221

Query Match 66.3%; Score 1645.6; DB 11; Length 2470;
 Best Local Similarity 81.6%; Pred. No. 0;

Matches 1958; Conservative 0; Mismatches 417; Indels 24; Gaps 4;
 Qy 58 GCACCATATGCGACAGCAACCGCCGCGGAGCGGCGGCAAGACCCGCTGGCGAC 117
 Db 40 CGCACCATATGCGACAGGATTCGCTGTGCGCGCGGCAACCCAAAGACCACTGGACAC 99
 Qy 118 CTGCGCACGCGAGAGAACCGCGGACCGGTGCGGCTCTCGCGGCGGCAACCGGTGAC 177
 Db 100 CTGCGCTACGCGGAGAGAACCGCGCC-----GGGTCCCGGGGGCGCGAACCGGTGAC 153
 Qy 178 CTGCGAGTGTGTGCGACGCGGATAGCTGCGGACCTGCGGCTCTTACTCTTCCGAG 237
 Db 154 CTGCGAGTGTGTGCGCGCGCGCGCGCGGACCGGCGGCTCTTACTTGTCTTCCGAA 213
 Qy 238 TTCAACCGGTATCTCTTCACTGTGAGAGAGCGTTGAGACTCATGAGAGAGAGCAAG 297
 Db 214 TCAACAGGTATCTTTTAACTGCGGAGAGAGCGTCCAAAGCACTTATGAGAGAGACAG 273
 Qy 238 TTAAAGTGTGCTCGCTGAGACACATATCTGACACAGATGCACTGTGTAATGTTGG 357
 Db 274 ACTGAAAGTGTGCTGCTGAGACACATCTTCTGACTCGGATGCAATGTTGAG 333
 Qy 358 GCGTTAAGTGAATGATCTTAACTTAAAGAAACCGGCTTCCAAAGTGTACTTTCT 417
 Db 334 GGGTGTGTGAATGATTTTAACTTAAAGAAACCGGCTTCCAAAGTGTGTCT 393
 Qy 418 GAGCTCCACAACCTGGAATAATACCTGAGAGCAATCAATATTTCTGTGCTATGAA 477
 Db 394 GAGCTCCACAACCTGGAATAATATTTAAGCAATCAATATTTCTGTGCTATGAA 453
 Qy 478 GGAATAGAACTGTGCTGTGCGGCGGCTCTGCGGCGGATGAGAGATGAAACCATGCA 537
 Db 454 GGAATAGAACTGTGCGGCGGCTCTGCGGCGGCTCTGCGGCGGATGAGAGATGCA 513
 Qy 538 GTTTACCAATGCCCATCAACAGTGAACAGAGAGAGAGAGAGAGAGAGAGAGAGAG 597
 Db 514 GTTTACCAATGCCCATCAACAGTGAACAGAGAGAGAGAGAGAGAGAGAGAGAGAG 573
 Qy 598 CCAGAAAGGCTCTGAGAGGCTGAGCGAGTCCAGAGAGAGAGAGAGAGAGAGAGAGAG 657
 Db 574 CCAGAAAGGCTCTGAGAGGCTGAGCGAGTCCAGAGAGAGAGAGAGAGAGAGAGAGAG 633
 Qy 658 AATGAGCCACACTTCCACATGAGTGTAGCCAGAGAGAGAGAGAGAGAGAGAGAGAG 717
 Db 634 AATGAGC-----AGTCCCAACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 678
 Qy 718 GTCTGATCTTCAATCTGTAAGCTTCACTTAAAGAGAGAGAGAGAGAGAGAGAGAGAG 777
 Db 679 GTCTGATCTTCAATCTGTAAGCTTCACTTAAAGAGAGAGAGAGAGAGAGAGAGAGAG 738
 Qy 778 AAG 837
 Db 739 AAG 798
 Qy 838 GACGGAAG 897
 Db 799 GACGGAAG 858
 Qy 898 CCAGATCTGTGCTGCTTGT 957
 Db 859 CCAGATCTGTGCTTGT 918
 Qy 958 ATCTGTGAAGATGCAACCTTCAAGAGTACCAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1017
 Db 919 ATCTGTGAAGATGCAACCTTCAAGAGTACCAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 978
 Qy 1018 GTGTTTCAATGAG 1077
 Db 979 GTGTTTCAATGAG 1038
 Qy 1078 AGGTTTGGGCTGACACCCAGCACTGTGTCTGTAATGAGAACTGTGCTCAAGTTCAAC 1137
 Db 1039 AGGTTTGGGCTGACACACACACACACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1098

QY 1138 CTTGAGGACACAGATTCAAAACCAGCTCAACTCATCCACCCGGAACATCTTCCCCCG 1197
 DB 1099 CTGGCAGGACCAAGATTCAAGCCAGCTCAGCTCATCCAGCTTCTCCCGCAG 1158
 QY 1198 CTCACAGTTTCCGCTGTAAAGAGAGGCCCCCACCCTTCAGTGTGCCATGGTTACAGG 1257
 DB 1159 CTTACCAAGCTTCTATATAGAGAGAGAGGGTCCACCCTCAGCGTCCAAACAGTTGGGGGT 1218
 QY 1258 GAATCCCTCTTAATATACAGCTCCGCTCCAGAGAGAGATGGCAGAGAGATCCATTAT 1317
 DB 1219 GAATCCCTCTTAATATACAGCTCCGCTCCAGAGAGATGGCAGAGAGATCCACTC 1278
 QY 1318 ACTTCAATCTGAGGAATTTCAATTAGTTGAGCGCTGACAGCTTCCCACTTCCAGAGAG 1377
 DB 1279 GACTGCATATCTGATGAAATTTCAAGTGAAGCTTGGAGCTCCCGATTTCCAGAGAGAT 1338
 QY 1378 GTGACAGAGTACAGAGAGAGTCCGACAGAGCGGCCAGCCCAAGCAGAGAGAAAGAGTCA 1437
 DB 1339 GTGAGAGAGTATCGGAGAGAGTGCAGAGAAACCCAGCCCAAGCAGAGAGAAAGCCAG 1398
 QY 1438 TACCCAGAAATCATCTTCTTGGAAAGAGGCTCCGATCCGATGAAGATTGAAATGTC 1497
 DB 1399 TATCTGAATTTCTTCTGAGTACGAGGCTGCAATGAGATCCGAAATGTC 1458
 QY 1498 AGTGCACACTTGTCAACATAAGCCCGACACGCTCTGCTACTGGACTGTGTGAGGCG 1557
 DB 1459 AGTTTCAACCTGTCACTTAAGCCCTGACAGATCAGTCTCTGGAATGTGAGAGAGGC 1518
 QY 1558 ACATTTGGGACAGCTGTGCGGTCAATTACGAGACACAGTGAACAGGTCCTGGGACCTTG 1617
 DB 1519 ACTTTTGGGACAGTGTGCGGTCAATTACGAGACACAGTGAACAGGTCCTATGACGCTC 1578
 QY 1618 GCTGCTGTGTGTGTGCTCCACTGACGAGATCAACACAGGCTTGGCAAGTATCTTG 1677
 DB 1579 ACGGCTGTGTGTGTGCTCCACTGACGAGCCGACACACAGGCTTGTGTAATCTTG 1638
 QY 1678 CTGACAGAGAGACGCGCTTGGCATCTTGGGAAAGCCCTTCAACCTTGTGCTGTGTT 1737
 DB 1639 CTGACAGAGAGACATGCTTGGCATCTTGGGAAAGCCCTTCAAGCTTGTGTG 1698
 QY 1738 GCCCCCAACAGCTCAAGCCCTGCTCAAGCATACACACAGTGCAGAGAGTCTTG 1797
 DB 1699 GCTCCATACCACTGAGGCTGCTGCTGAGCATATCACACCACTGCCAGAGATTTCTG 1758
 QY 1798 CACCATCATGATGATTTCTGCTCAATGCTTCAAGAAAGGGCTGAGATTTCCAGTCT 1857
 DB 1759 CACCATCATGATGATTTCTGCTCAATGCTTCAAGAAAGGGCTGAGATTTCCAGTCT 1818
 QY 1858 GCAGTGAAGAGATGATGATGCTGTGCGAACATGATTTGGAAGAGTTTCAGACC 1917
 DB 1819 ACATTTGGAAGAGCTGATTAAGCTTGTGTTGGAACATGATTTAGAAAGATTTTCAGACC 1878
 QY 1918 TGTCTGTGTCGAGCATGCAAGCATGCTTGTGCTGTGCGTGTGCAACCTTGTGCTGG 1977
 DB 1879 TGTCTGTGTCGAGCATGCAAGCATGCTTGTGCTGTGCGTGTGCAACCTTGTGCTGG 1938
 QY 1978 AAAGTGTCTATTCCGGGACACCATGCTTGTGAGGCTTGTGCTGAGATGGGAAAGAT 2037
 DB 1939 AAAGTGTCTATTCCGGGACACCATGCTTGTGAGGCTTGTGCTGAGATGGGAAAGAT 1998
 QY 2038 GCCACCTCTGATATAGATGAAGCCACCTGGAAGATGTTTGAAGAGAGAGTGAAG 2097
 DB 1999 GCCACCTCTGATATAGATGAAGCCACCTGGAAGATGTTTGAAGAGAGAGTGAAG 2058
 QY 2098 AAGACACACAGACCAAGTCCCAAGCATCAGCGTGGGAGATGCGAGTGAACGCGAGTTT 2157
 DB 2059 AAGACACACAGACCAAGTCCCAAGCATCAGCGTGGGAGATGCGAGTGAACGCGAGTTT 2118
 QY 2158 ATTATGCTGAACCATTTAGCCAGCGTATGCAAGGTCCTTCAAGCCCAACTTC 2217
 DB 2119 ATCATGCTGAACCATTTAGCCAGCGTATGCAAGGTCCTTCAAGCCCAACTTC 2178

QY 2218 AGCGAAGATGGAGATTGCTTGTGACCATGAAGGTCTGCTTTGAGAGATTTCCAA 2277
 DB 2179 AAGCGAAGATGGAGATTGCTTGTGACCATGAAGGTCTGCTTTGAGAGATTTCCAA 2238
 QY 2278 ATGCCAAGCTGATTTCCCACTGAAGCCCTGTTGTGCTGCGACATGAGAGATGGAG 2337
 DB 2239 GTGCCAAGCTGATTTCCCACTGAAGCCCTGTTGTGCTGCGACATGAGAGATGGAG 2298
 QY 2338 GAGCGAGGAGAGAGCGGAGCTGCGAGAGTGCAGGCGGCGCCCTCTCTCCAGGAGCTG 2397
 DB 2239 GAGCGAGGAGAGAGCGGAGCTGCGAGAGTGCAGGCGGCGCCCTCTCTCCAGGAGCTG 2355
 QY 2398 GAGCGAGGCTGAGAGATGGGAGCTTCAAGCAAGAGCGGCGCCCAACAGAGAGCACA 2456
 DB 2356 GCAGACAGCCCAAGAGACAGAGAACCCCAAGAGAGCGGCGCCCAACAGATGAACACACA 2414

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